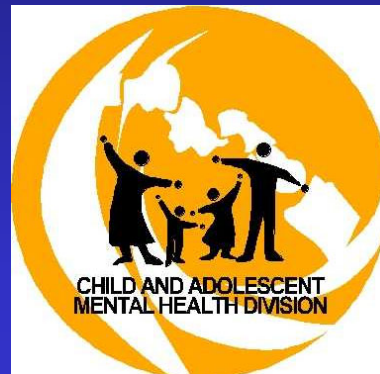


# Annual Evaluation Fiscal Year 2005

Eric L. Daleiden



# Evaluation Domains

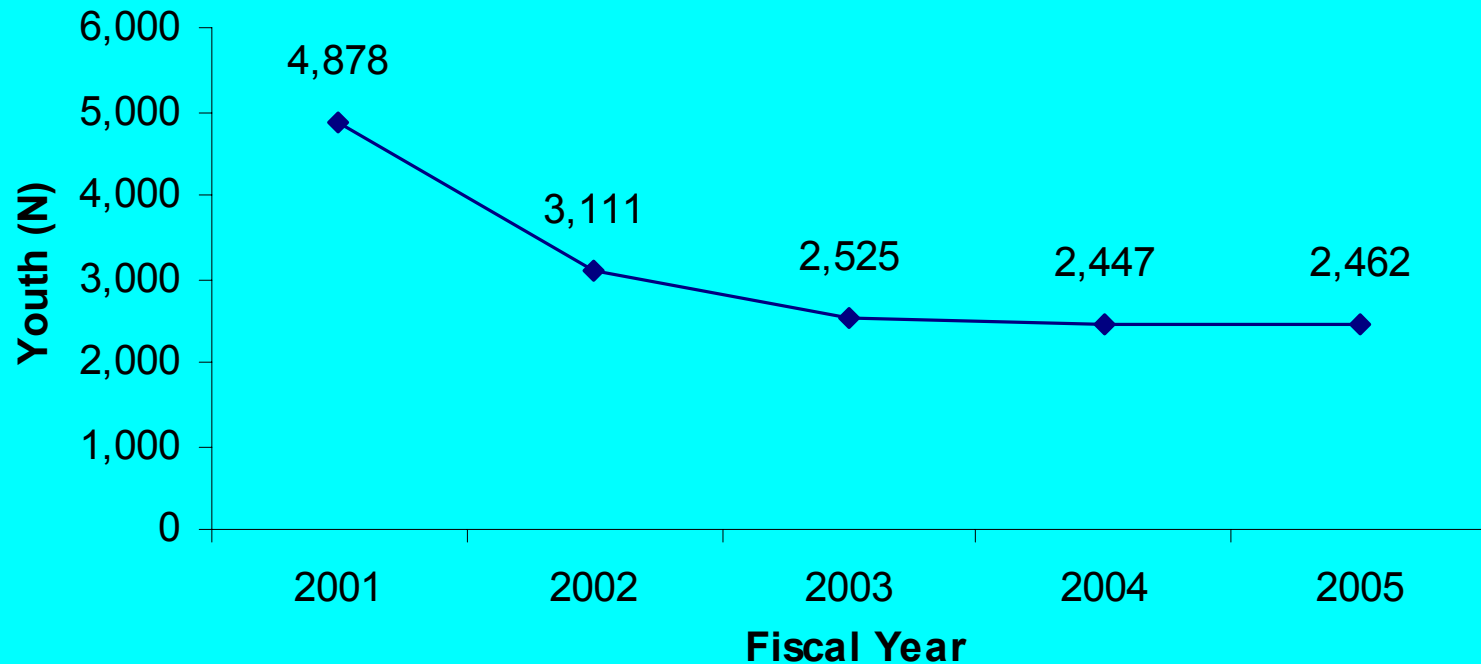
1. Who Registered?
2. How Served?
3. What Results?

# Who Registered?

1. How many?
2. Where were they served?
3. What was their gender?
4. What was their race and national origin?
5. What were their problems?

# How many?

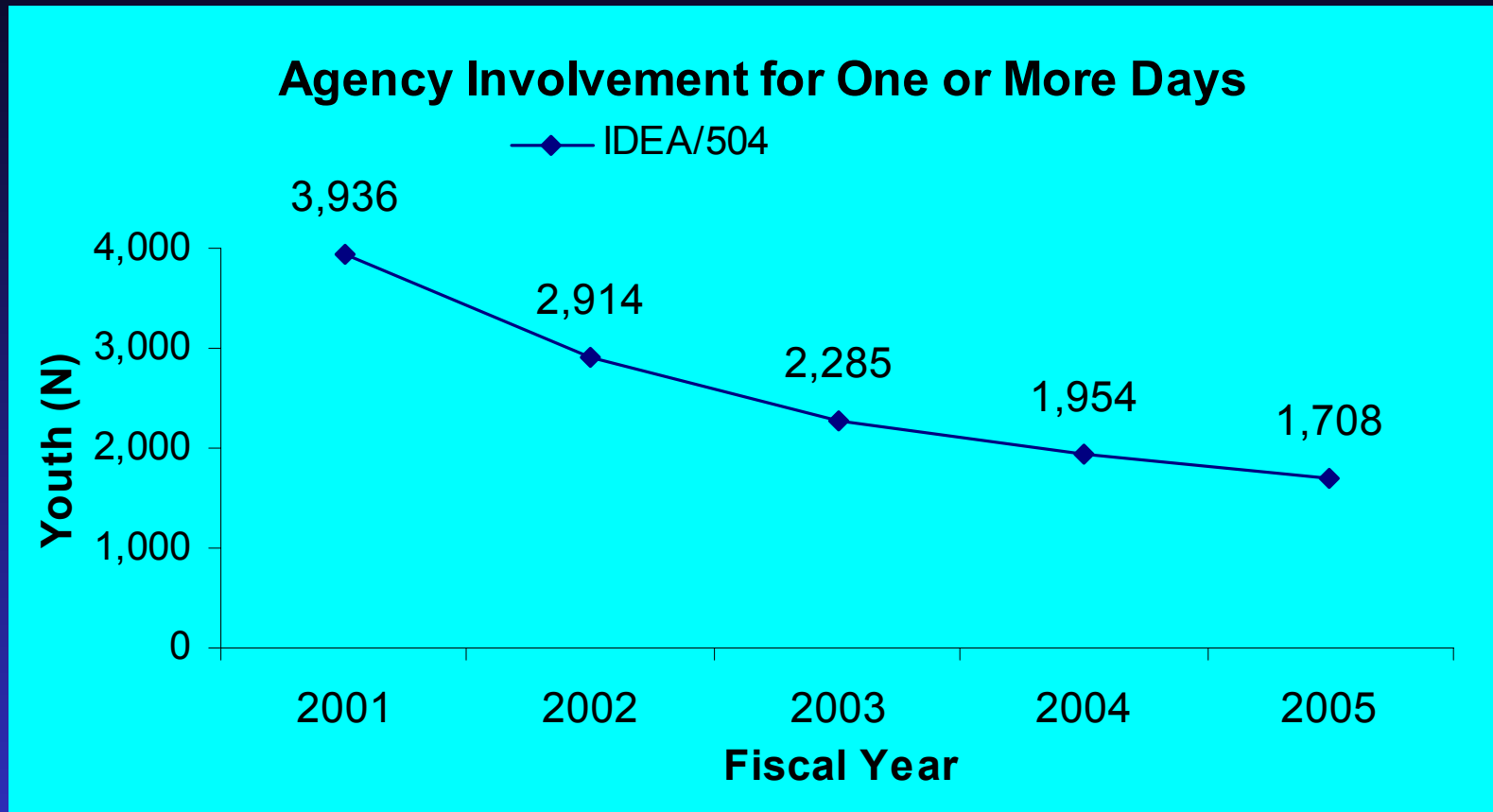
**Total Youth Registered for One or More Days**



**0.6% Increase from 2004**

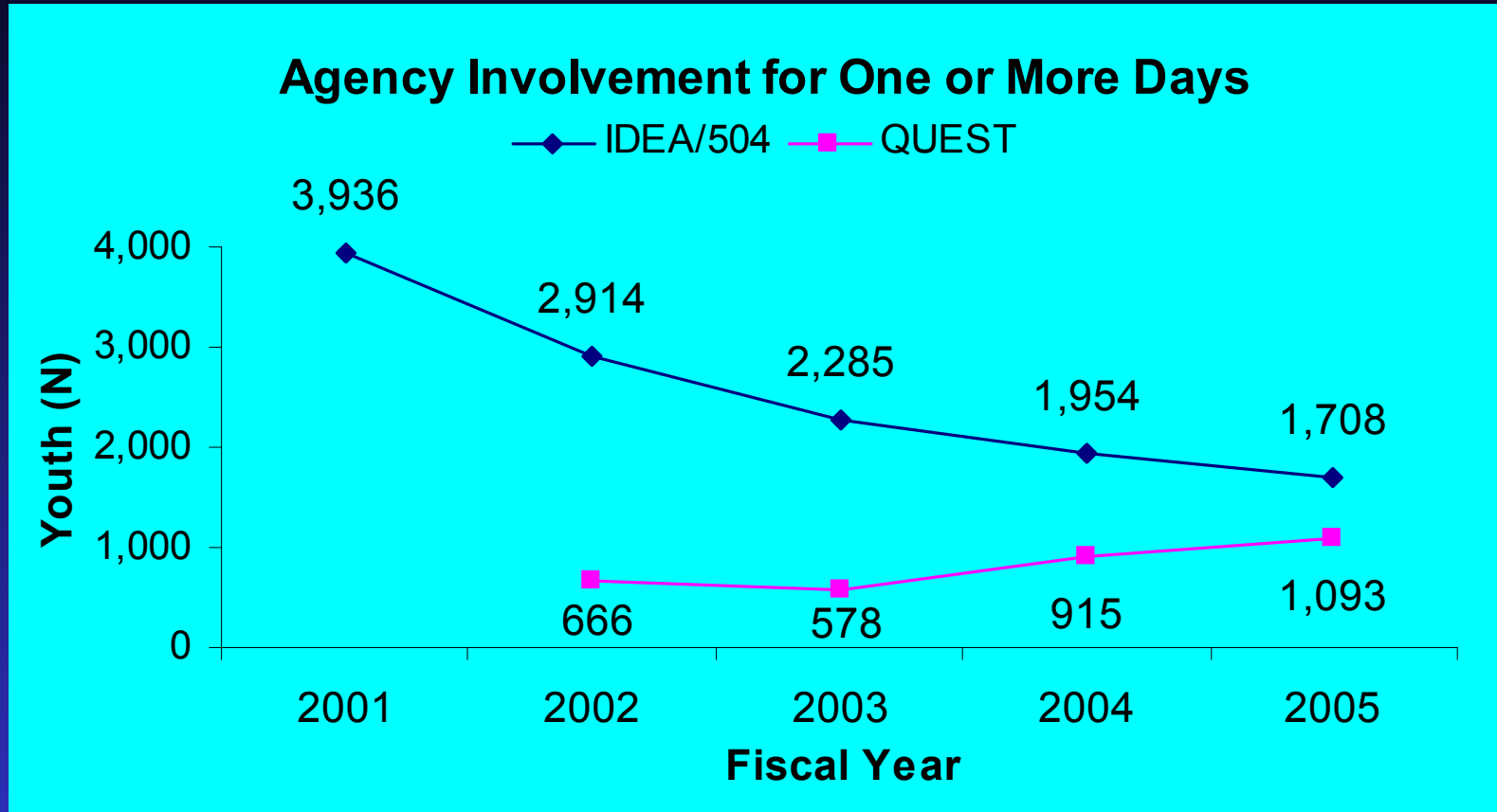
Excluding DOE transfers &  
Pervasive Developmental Disorder prior to 2004

# How many? Special Education



Special Education: 11% Decrease ↓

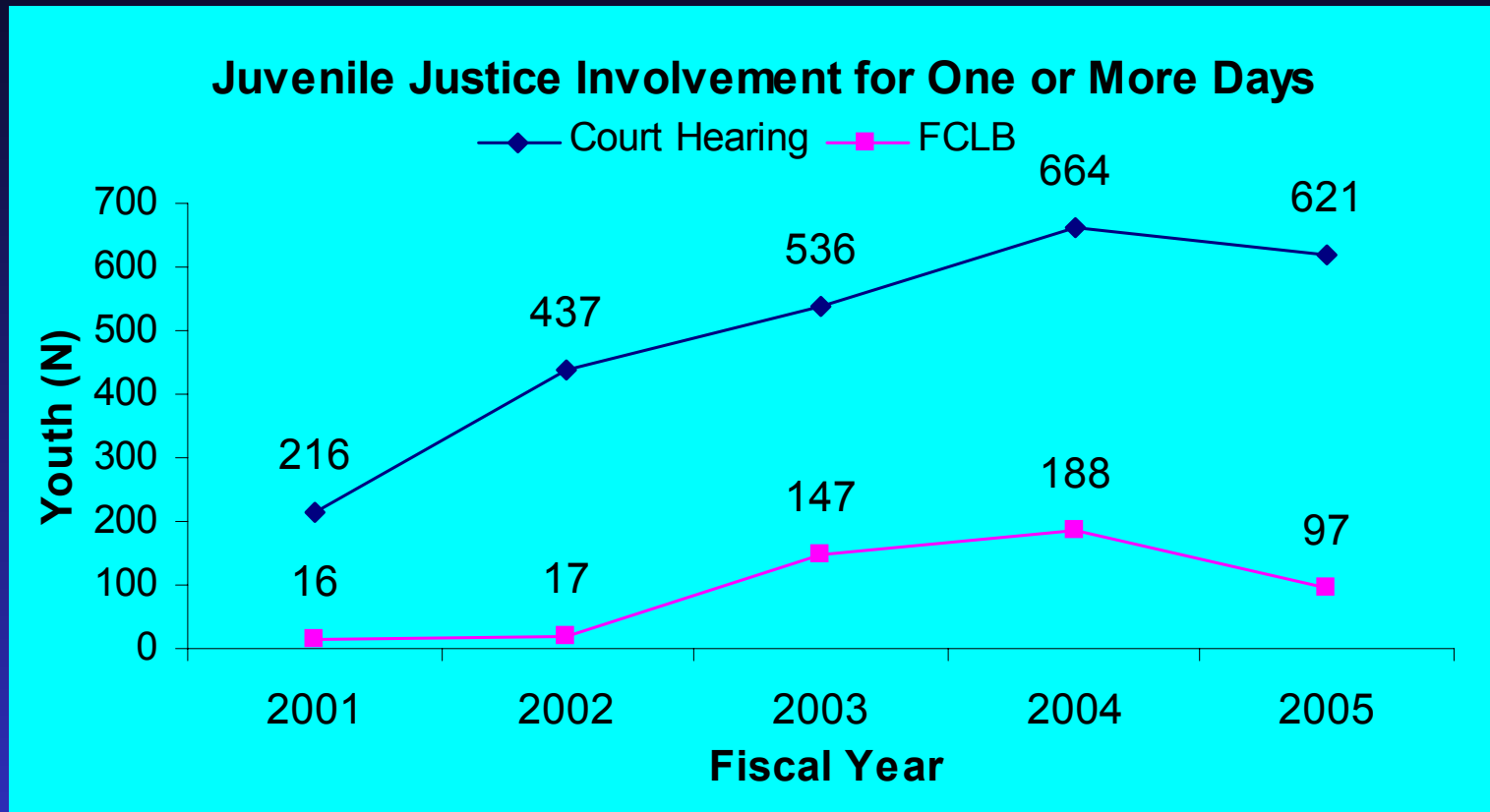
# How many? Education and Health



Special Education: 11% Decrease ↓

Health: 19% Increase ↑

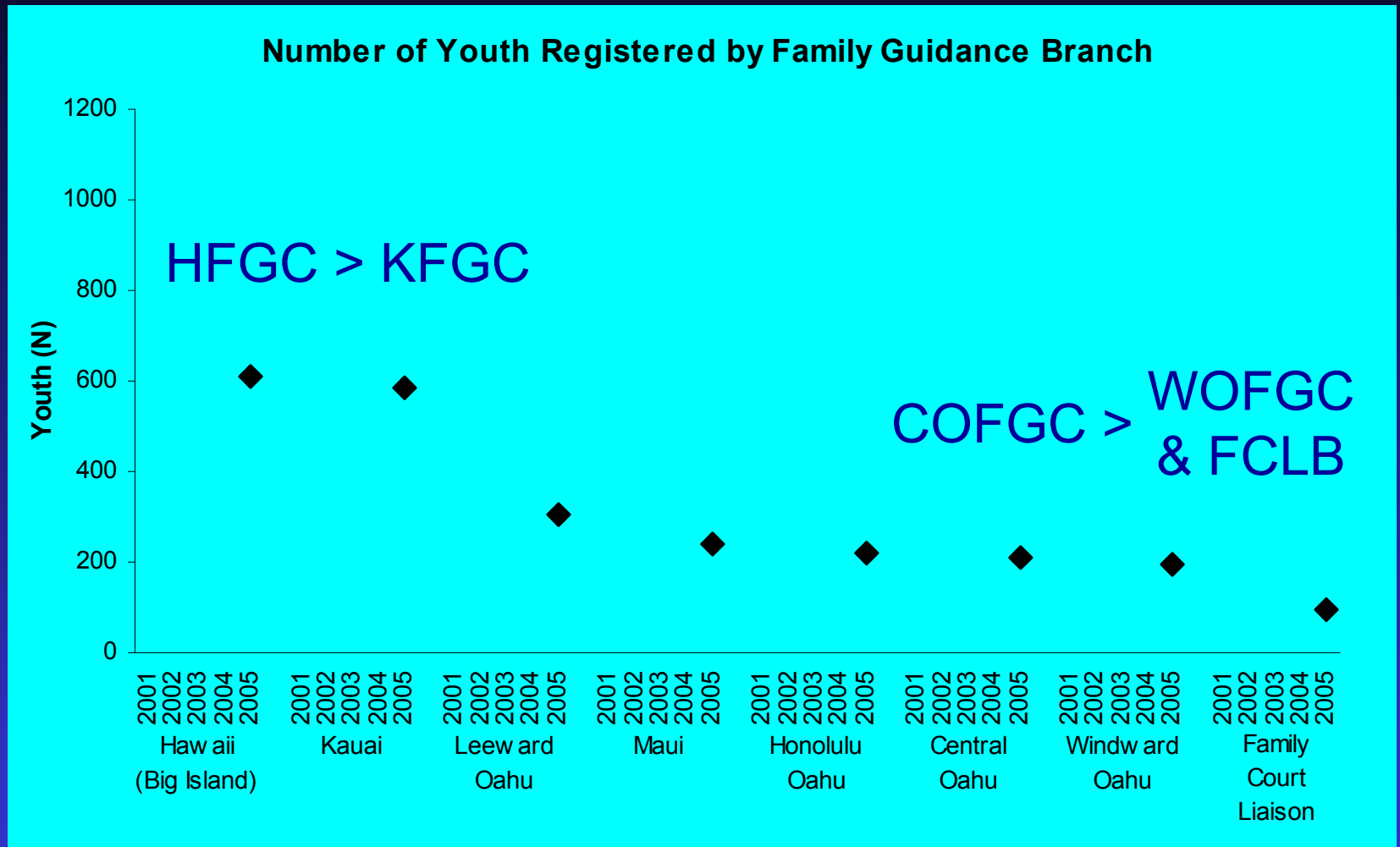
# How many? Juvenile Justice



Court: 6% Decrease ↓

FCLB: 48% Decrease ↓

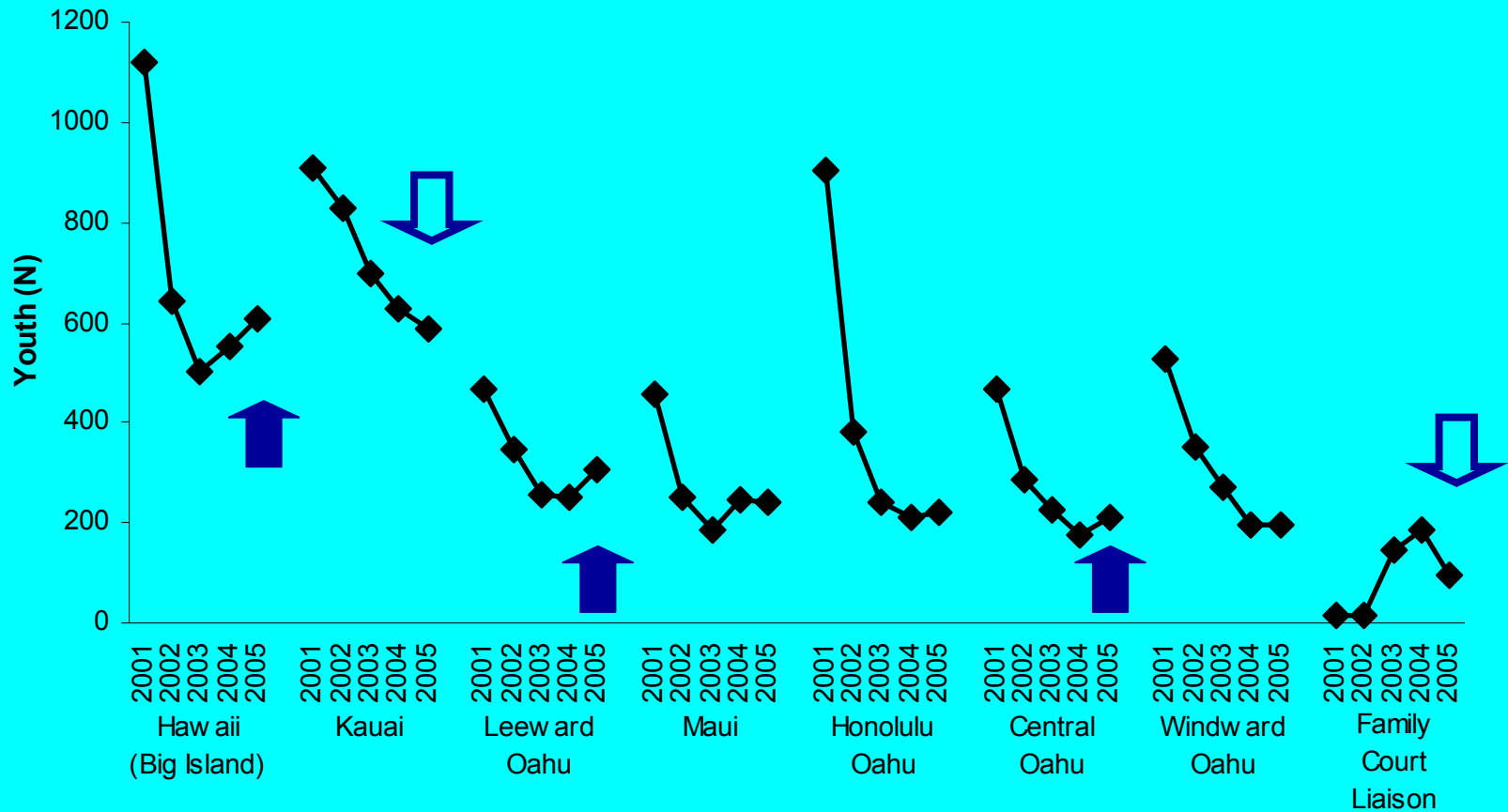
# Where were they served?



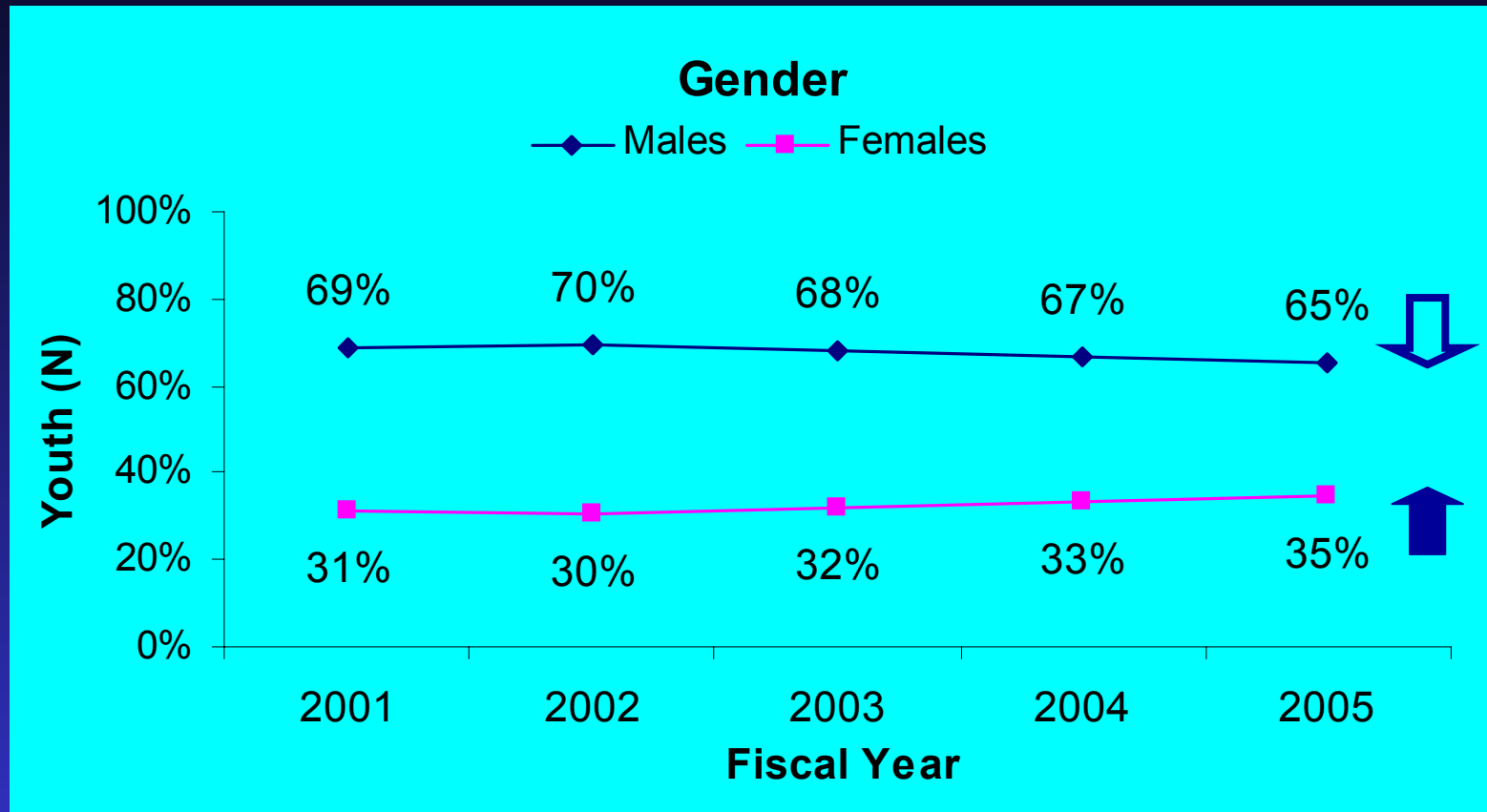


# Where were they served?

Number of Youth Registered by Family Guidance Branch



# What was their gender?



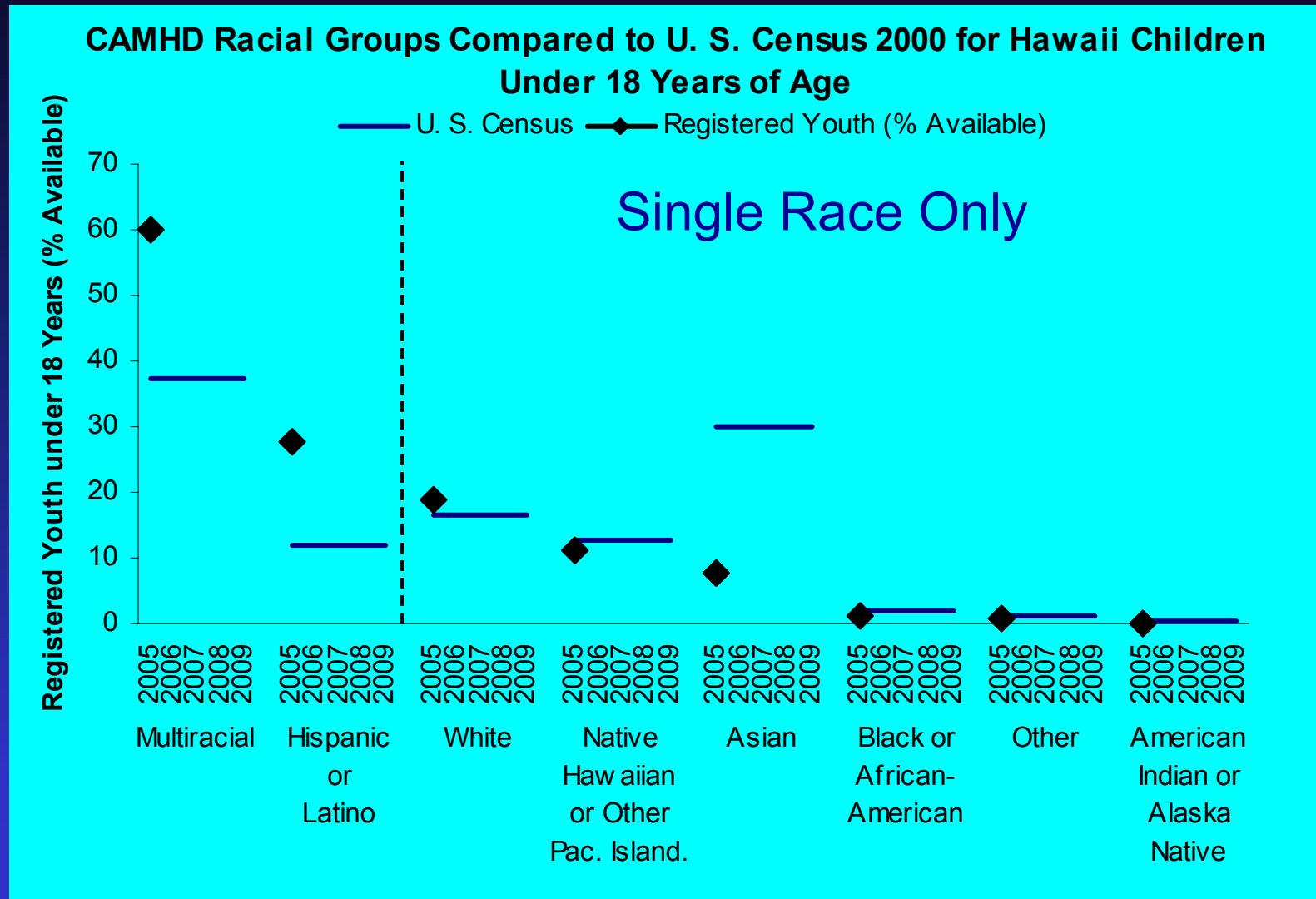
# What was their race and national origin?

Data Availability

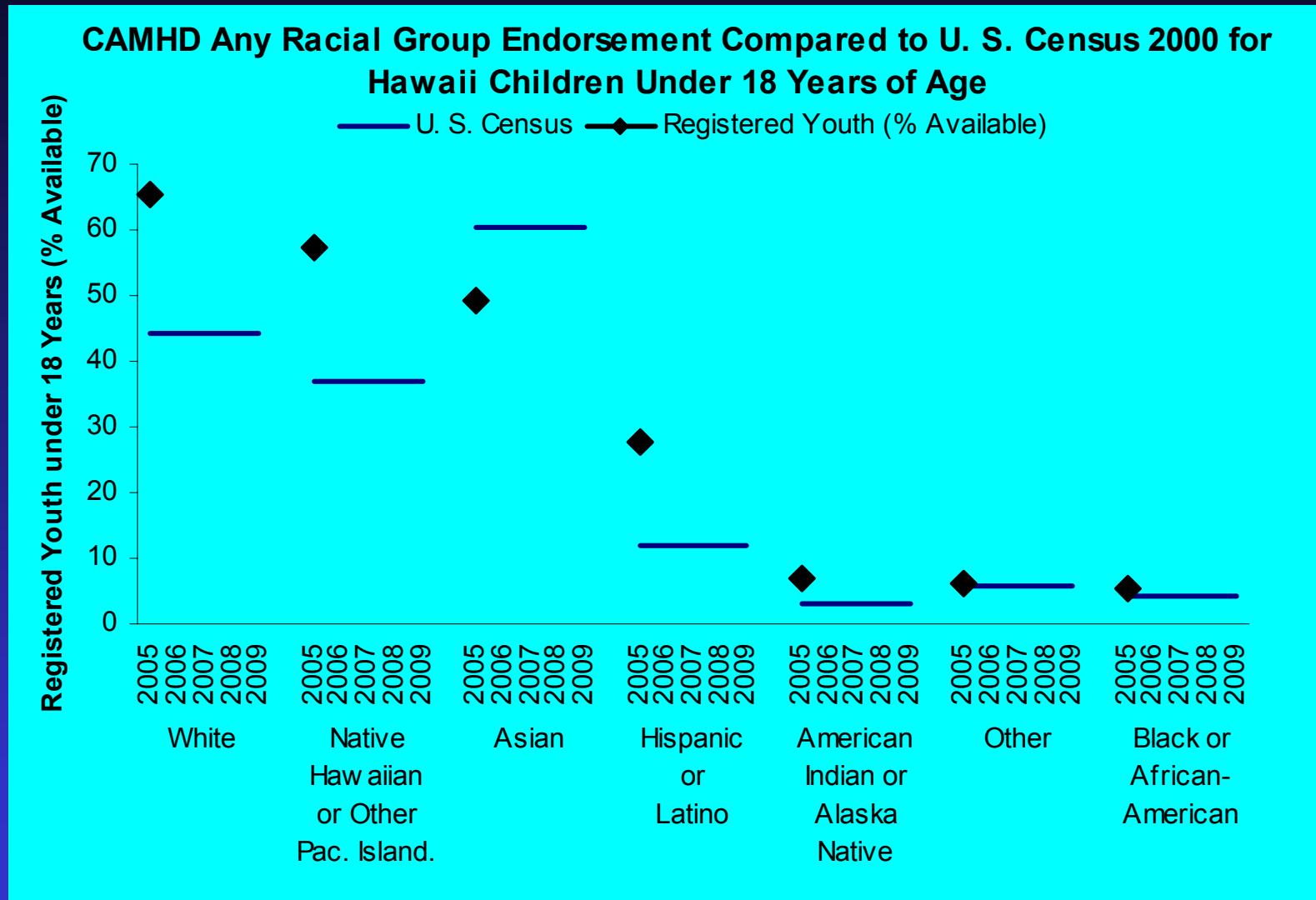
53% for Race

34% for National Origin

# What was their race and national origin?



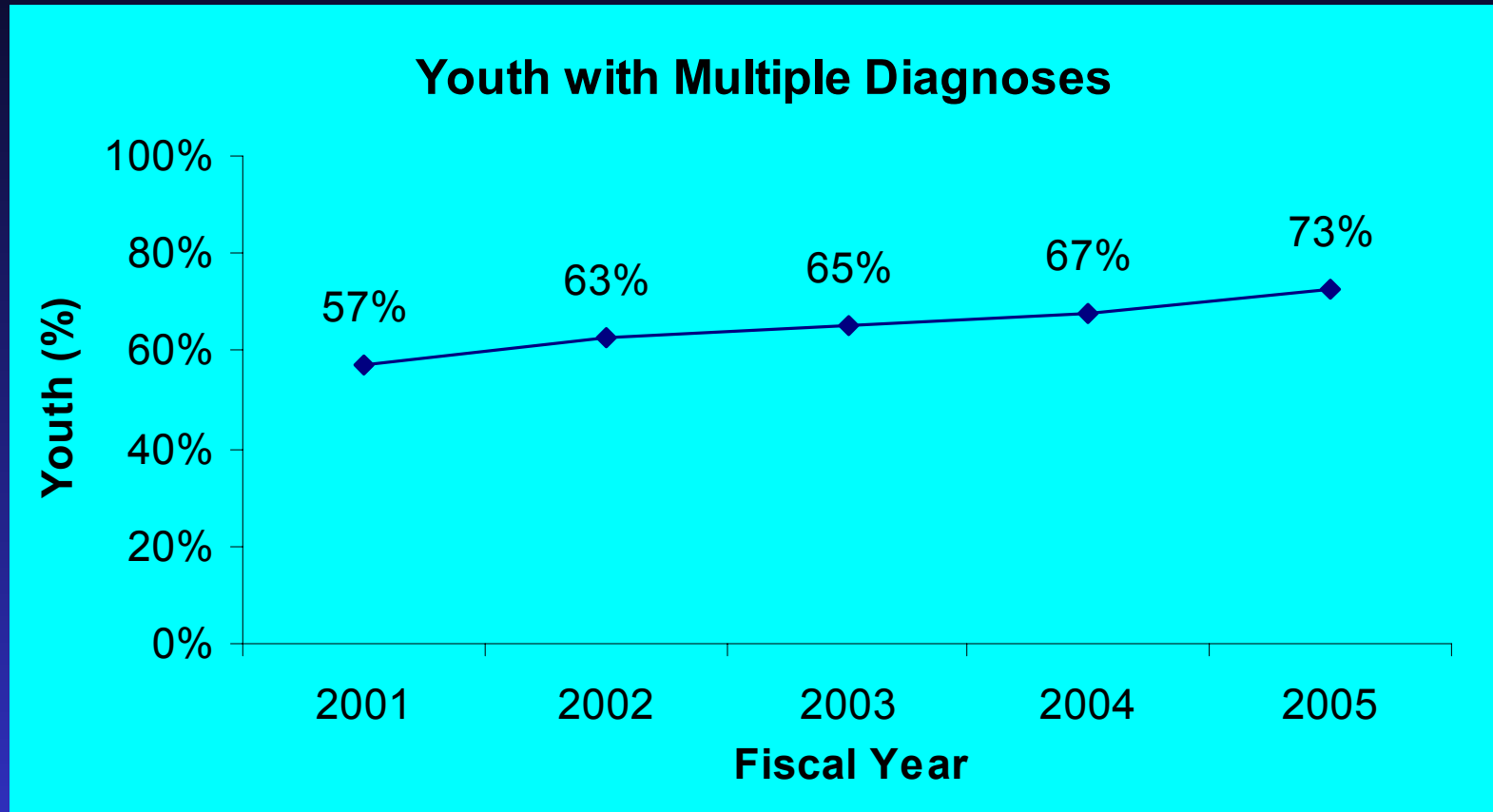
# What was their race and national origin?



# What were their primary problems?

Primary Diagnosis	2001	2002	2003	2004	2005	
Disruptive Behavior	23%	24%	24%	24%	25%	
Attentional	27%	25%	26%	29%	24%	
Mood	18%	19%	22%	20%	23%	↑
Anxiety	9%	9%	9%	8%	9%	
Adjustment	12%	11%	9%	8%	7%	↓
Miscellaneous	7%	6%	5%	5%	5%	
Substance-Related	2%	3%	3%	2%	3%	
Psychotic Spectrum	1%	1%	1%	1%	2%	

# Did they have multiple problems?



**5% Increase**

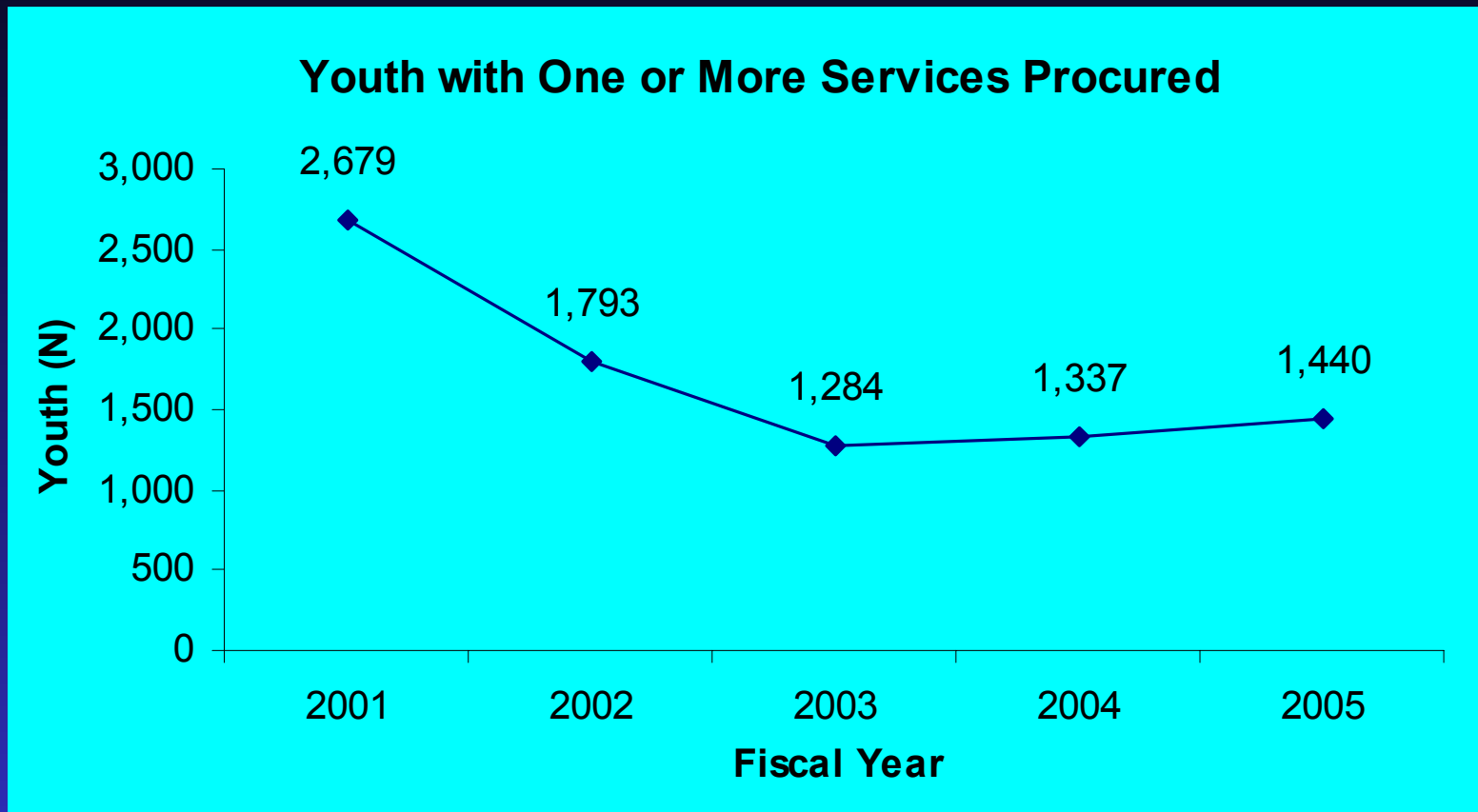
(Disruptive Behavior, Substance Use, Mood, Anxiety)

# How were they served?

1. How much service?
2. How much cost?
3. How efficient were services?
4. Type of services?



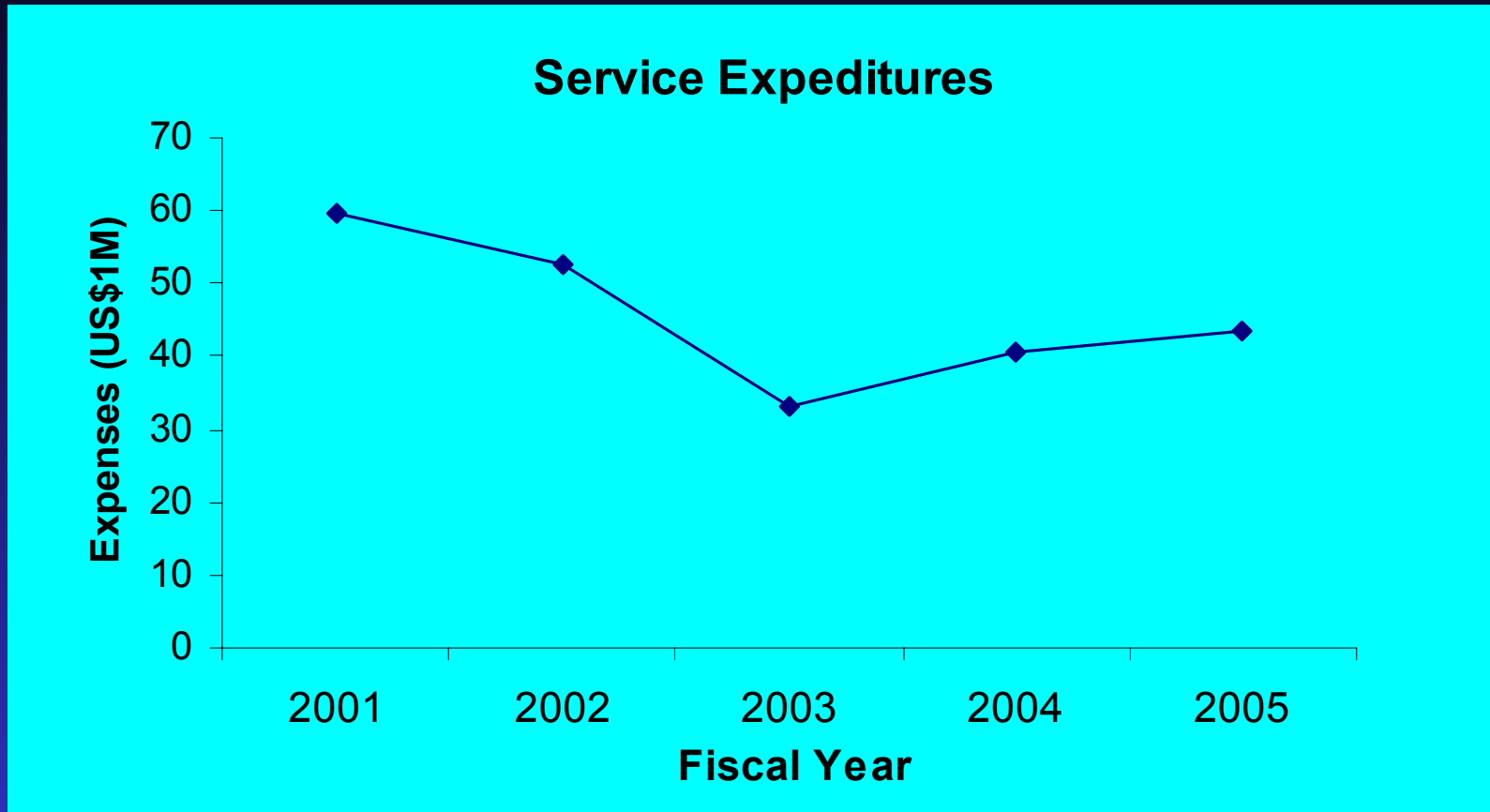
# Output: How Much Service?



**8% Increase from 2004**

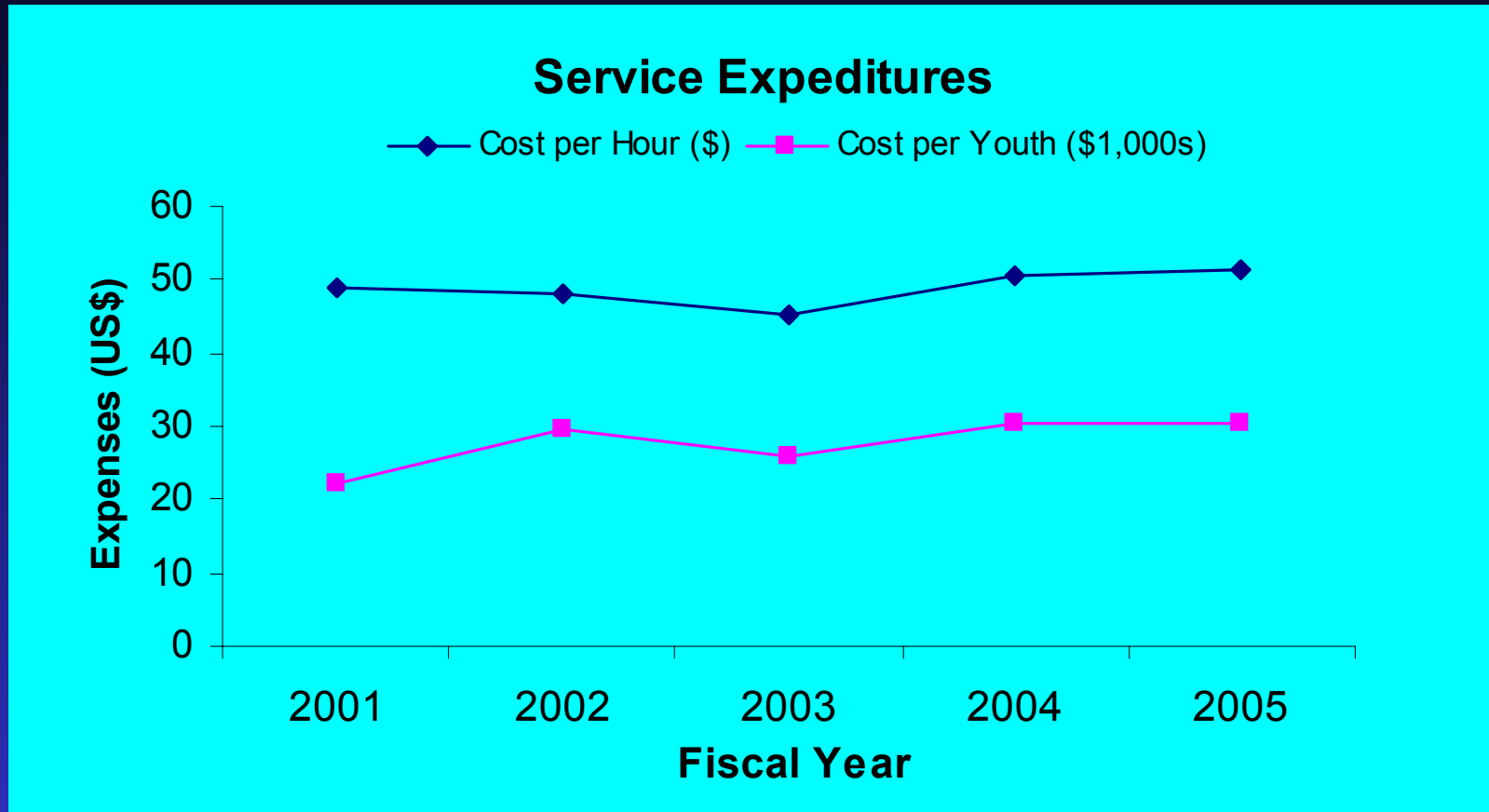
Excluding DOE transfers &  
Pervasive Developmental Disorder prior to 2004

# Input: How Much Cost?



7% Increase from 2004

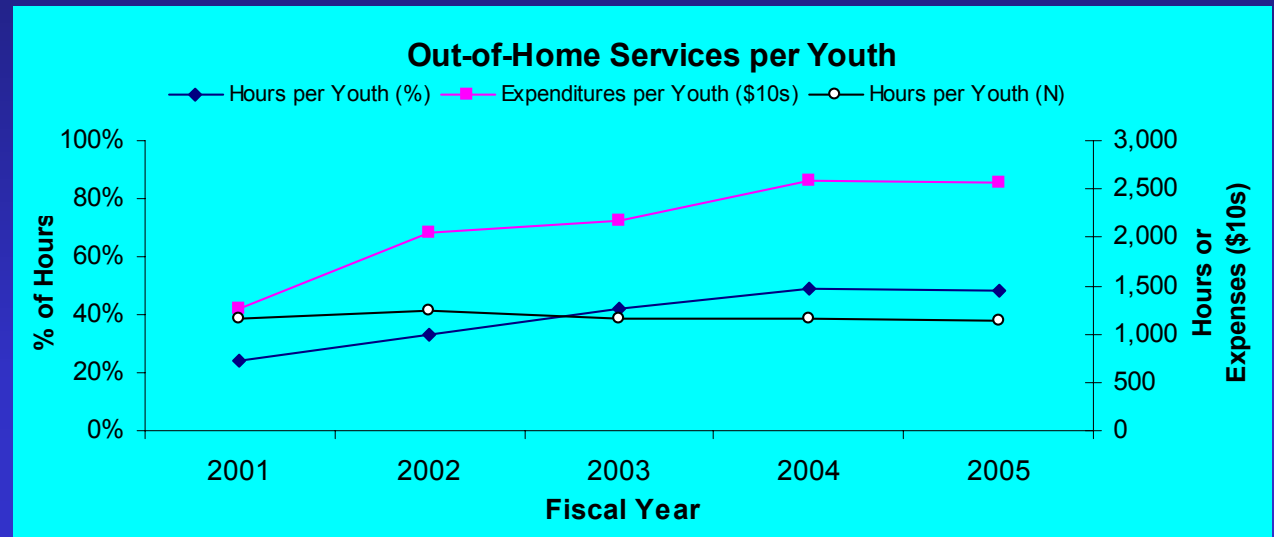
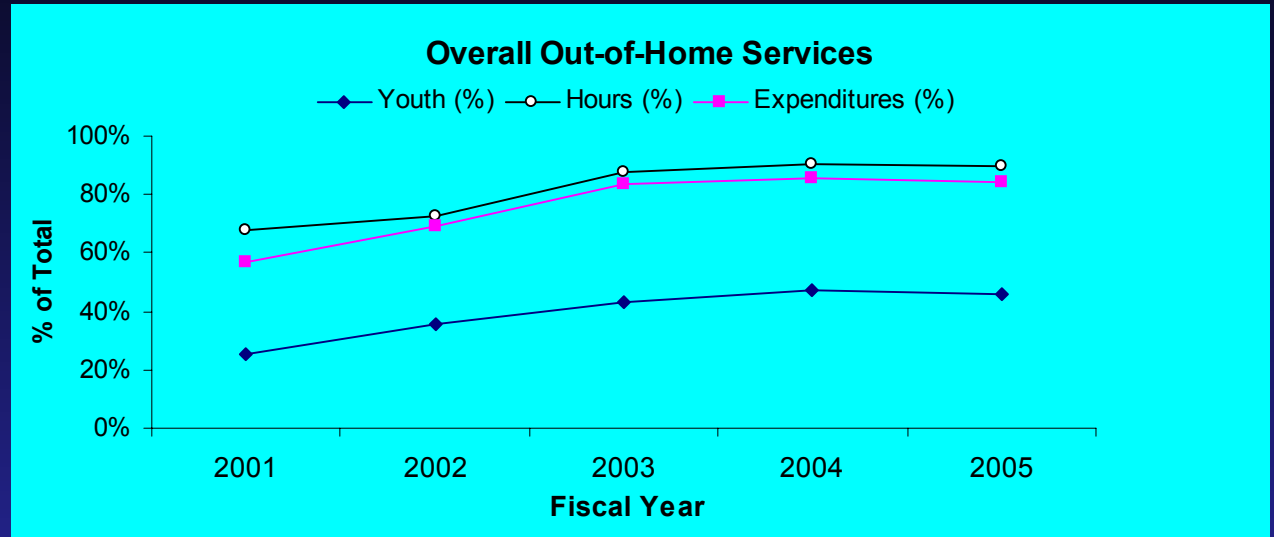
# How Efficient Were Services?



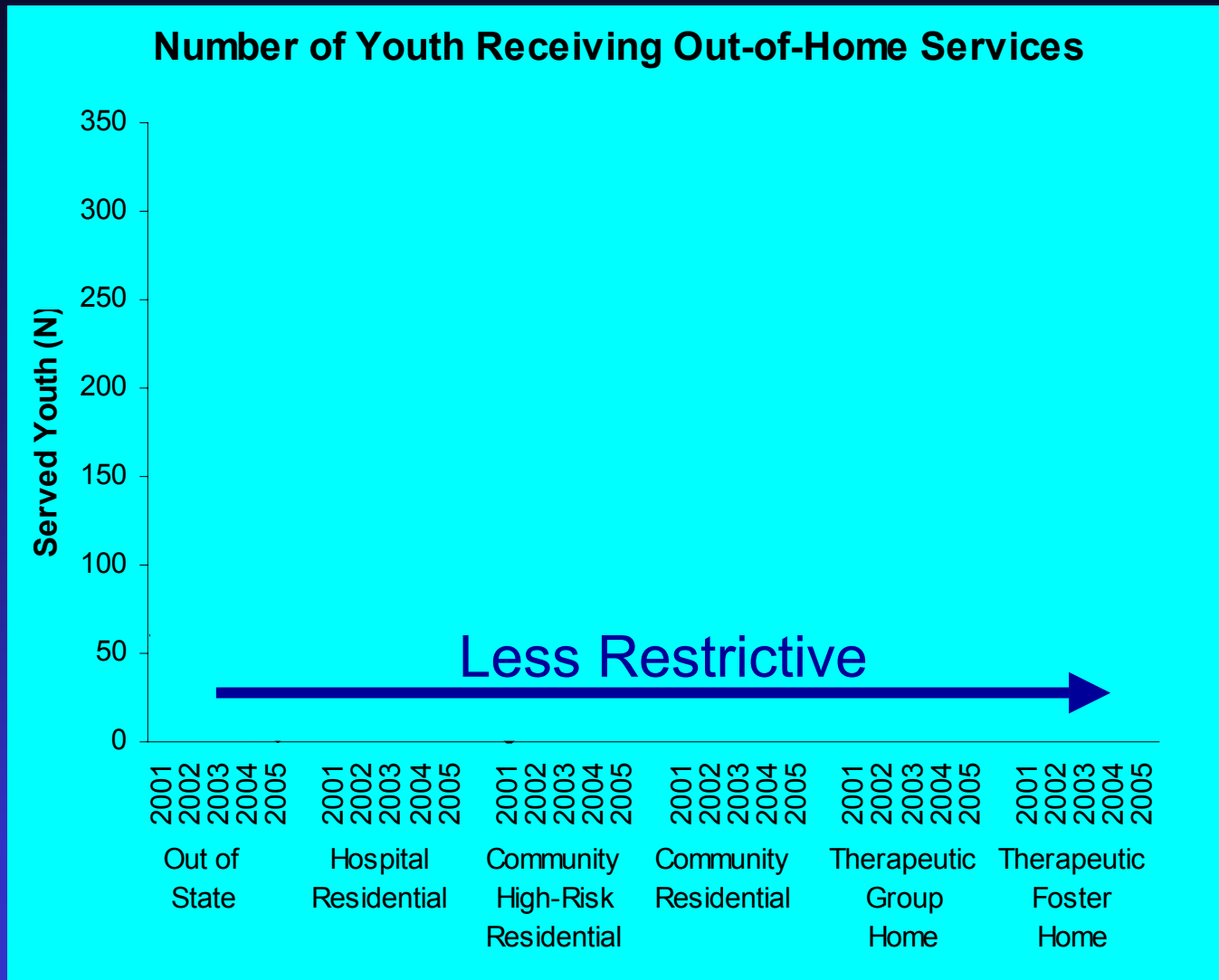
Thus, ↑ Increased Output, ↑ Increase Input  
Similar Efficiency

# How many out-of-home services?

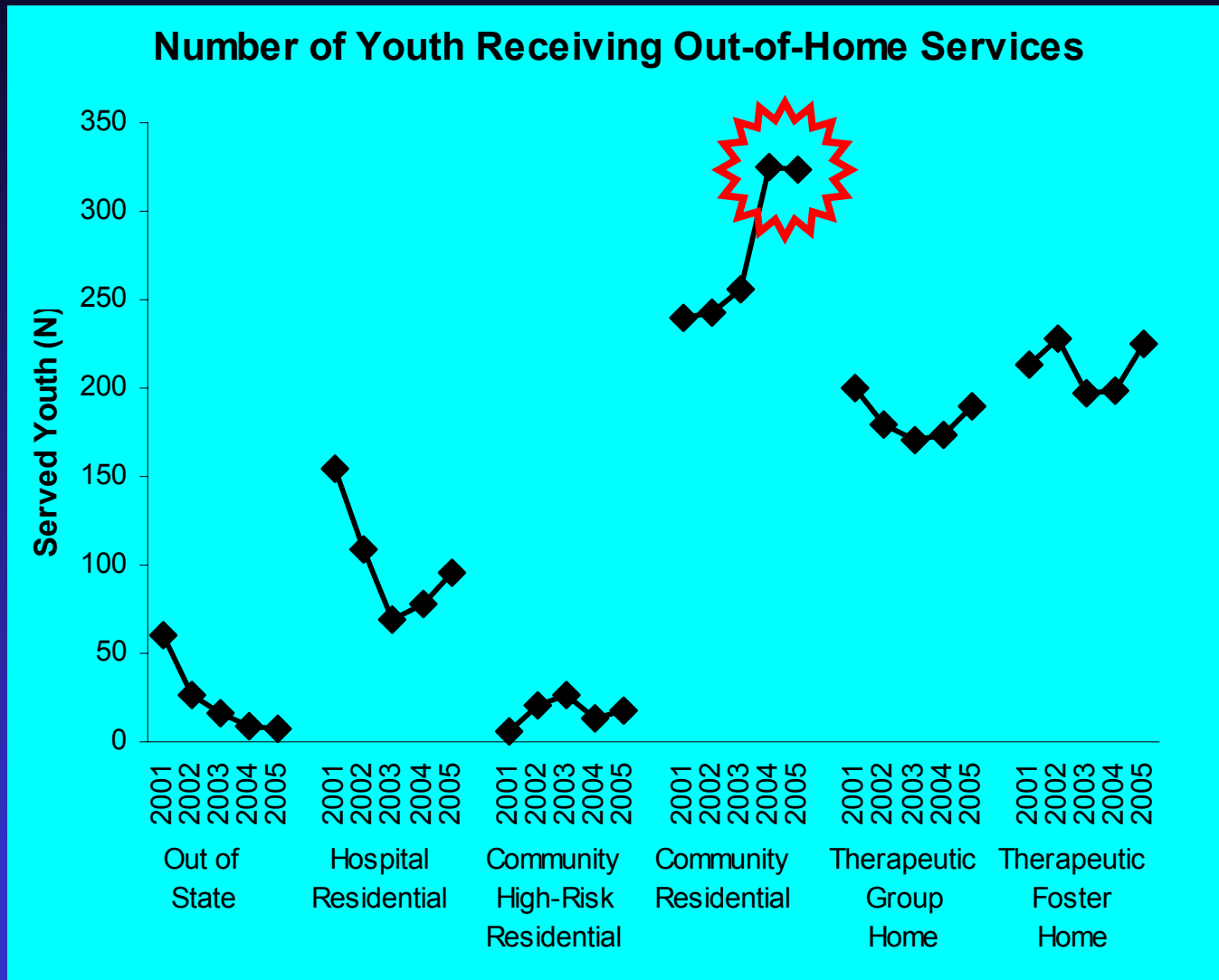
Various indicators suggest that out-of-home service utilization may be stabilizing



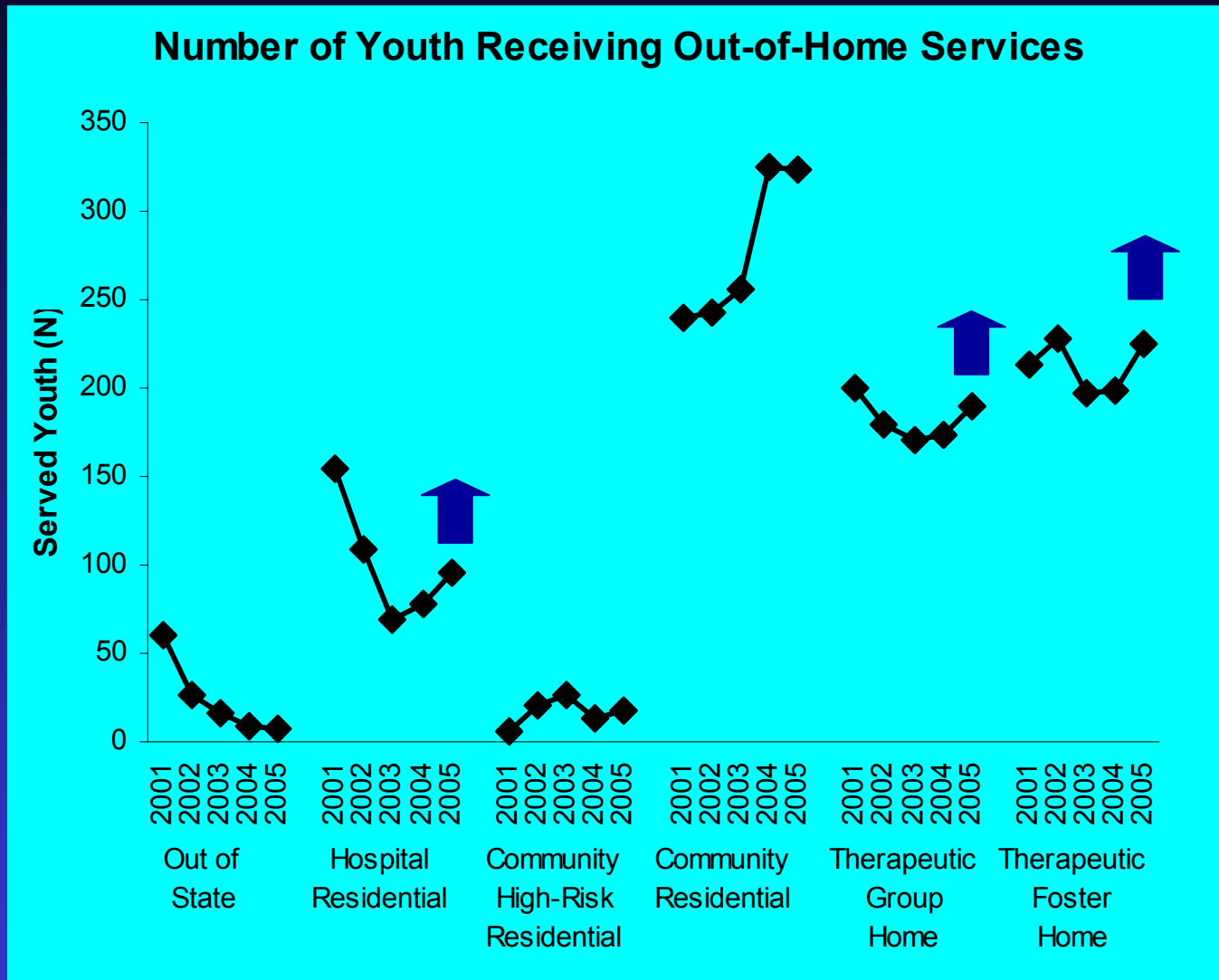
# What type of out-of-home services?



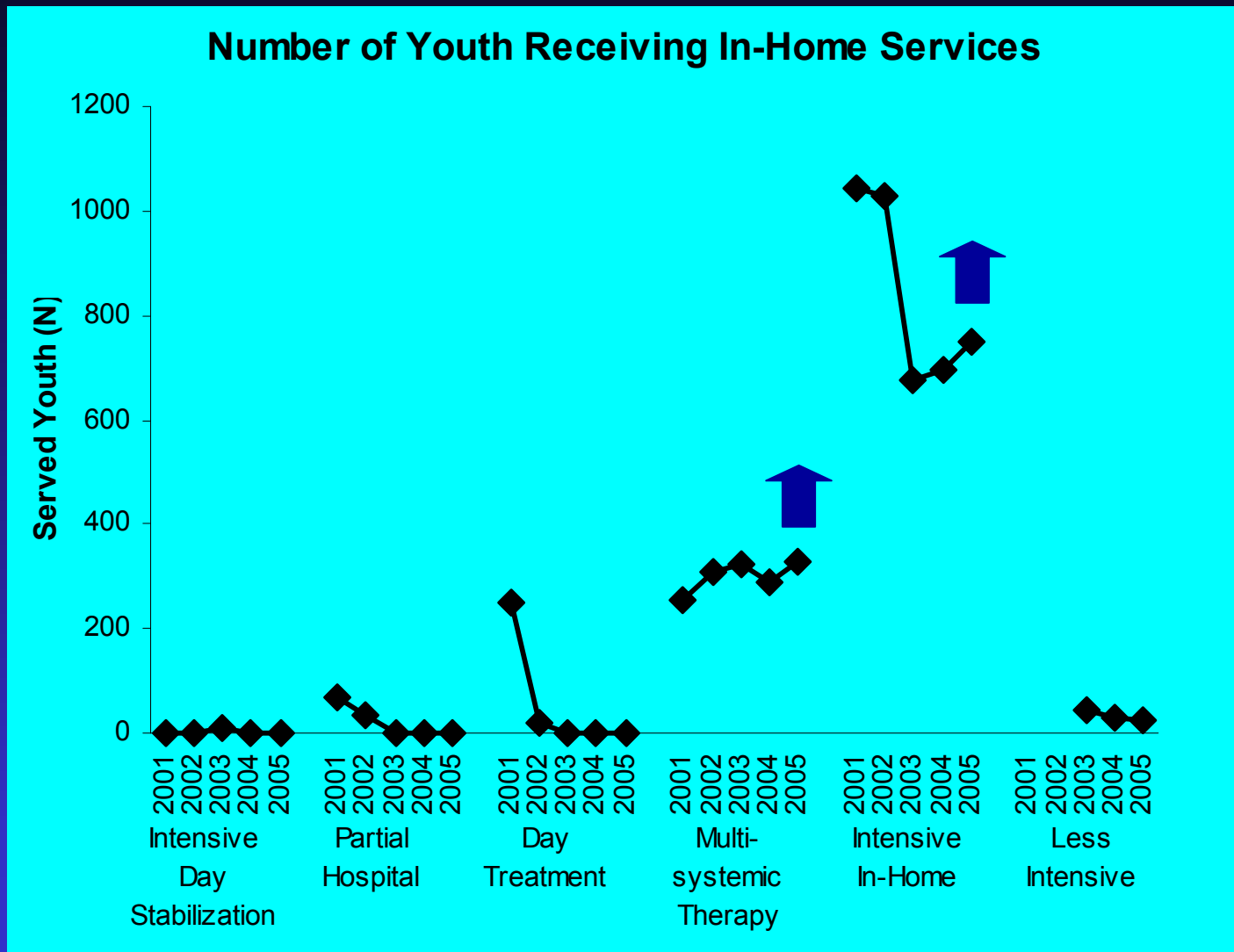
# What type of out-of-home services?



# What type of out-of-home services?

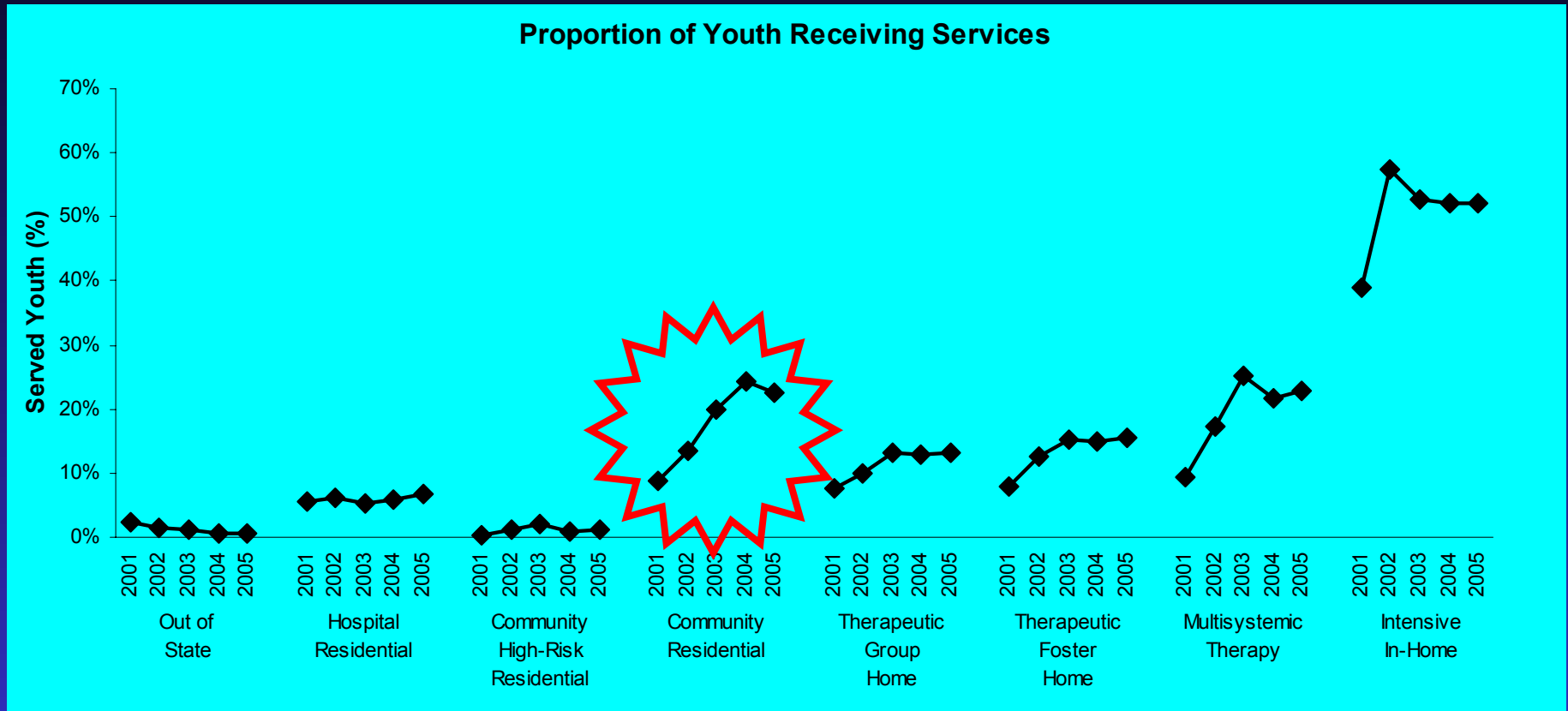


# What type of in-home services?



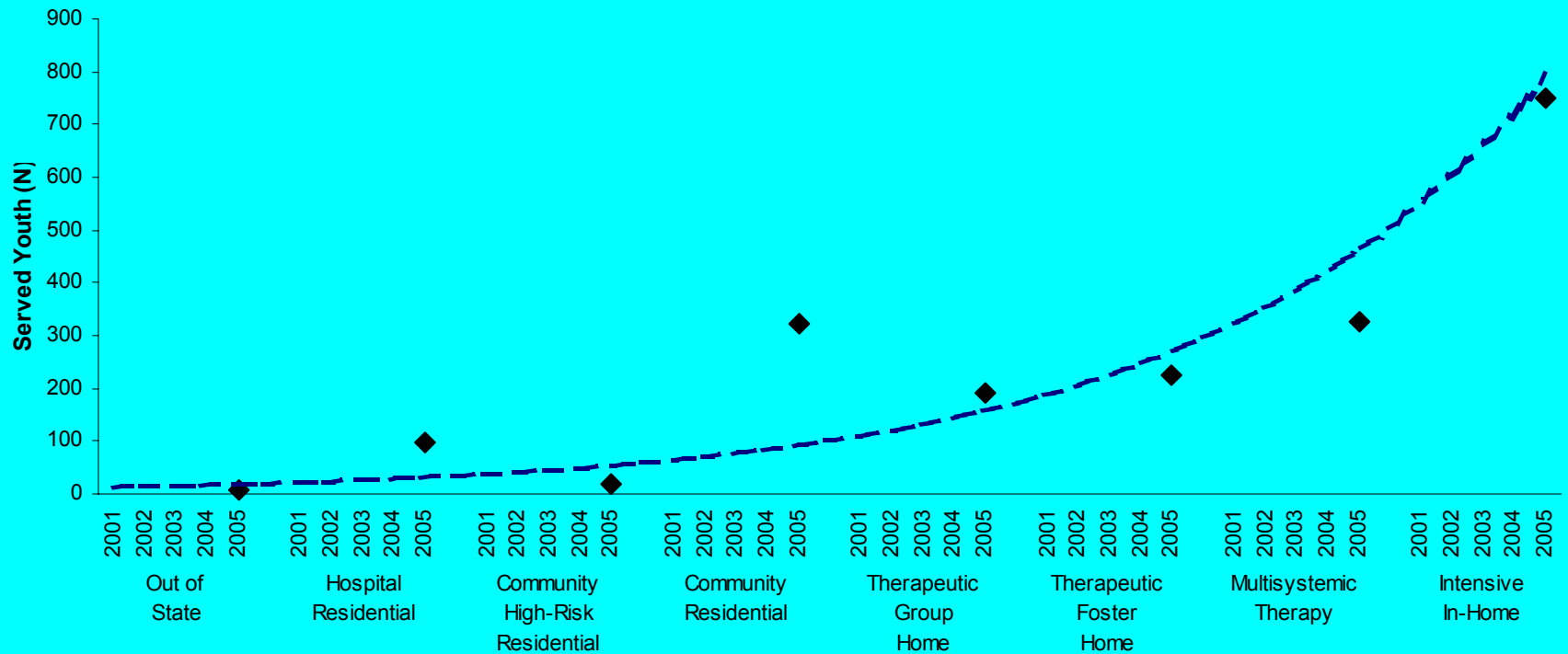


# Proportion of Services



# Least Restrictive?

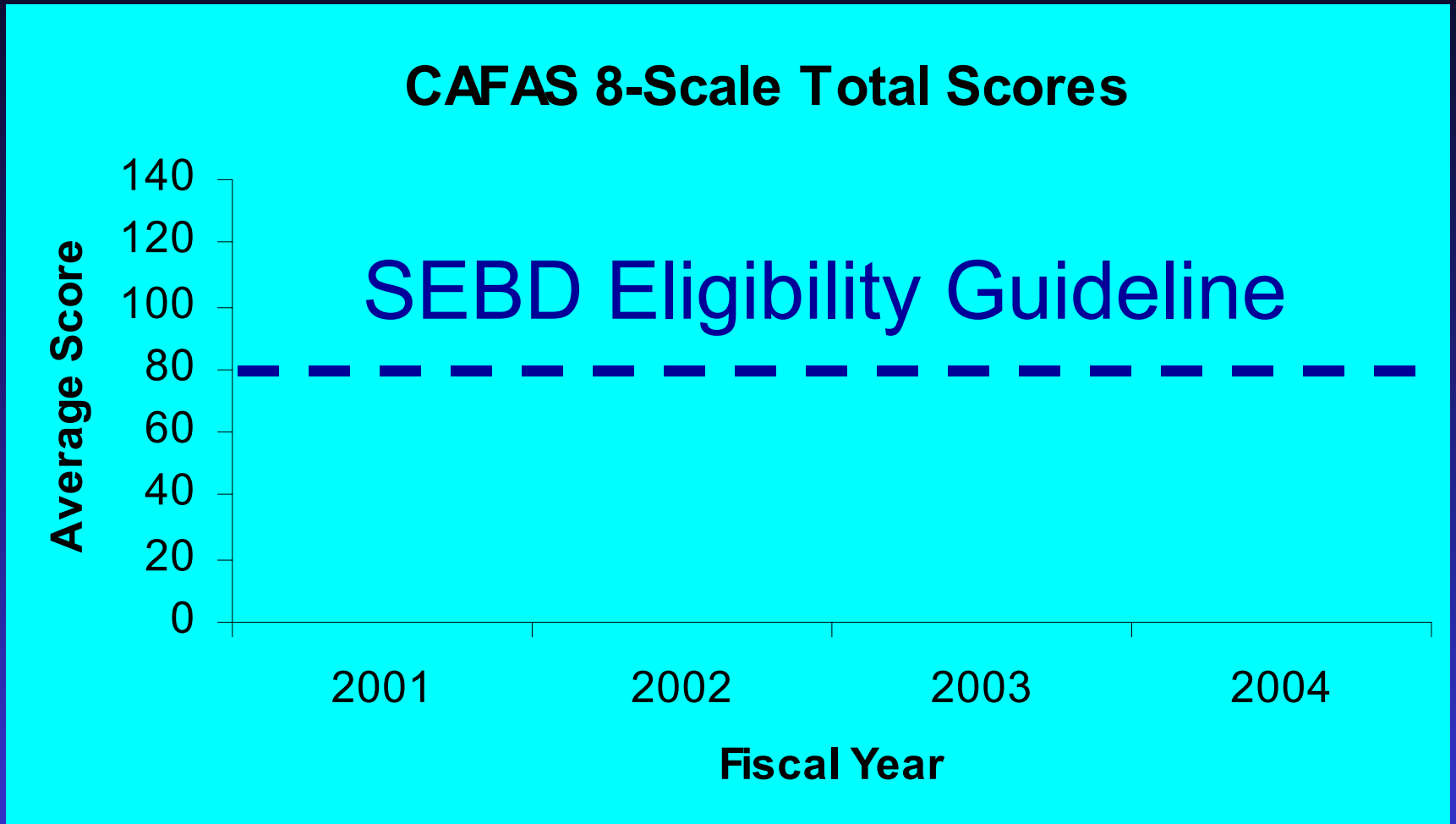
Number of Youth Receiving Services



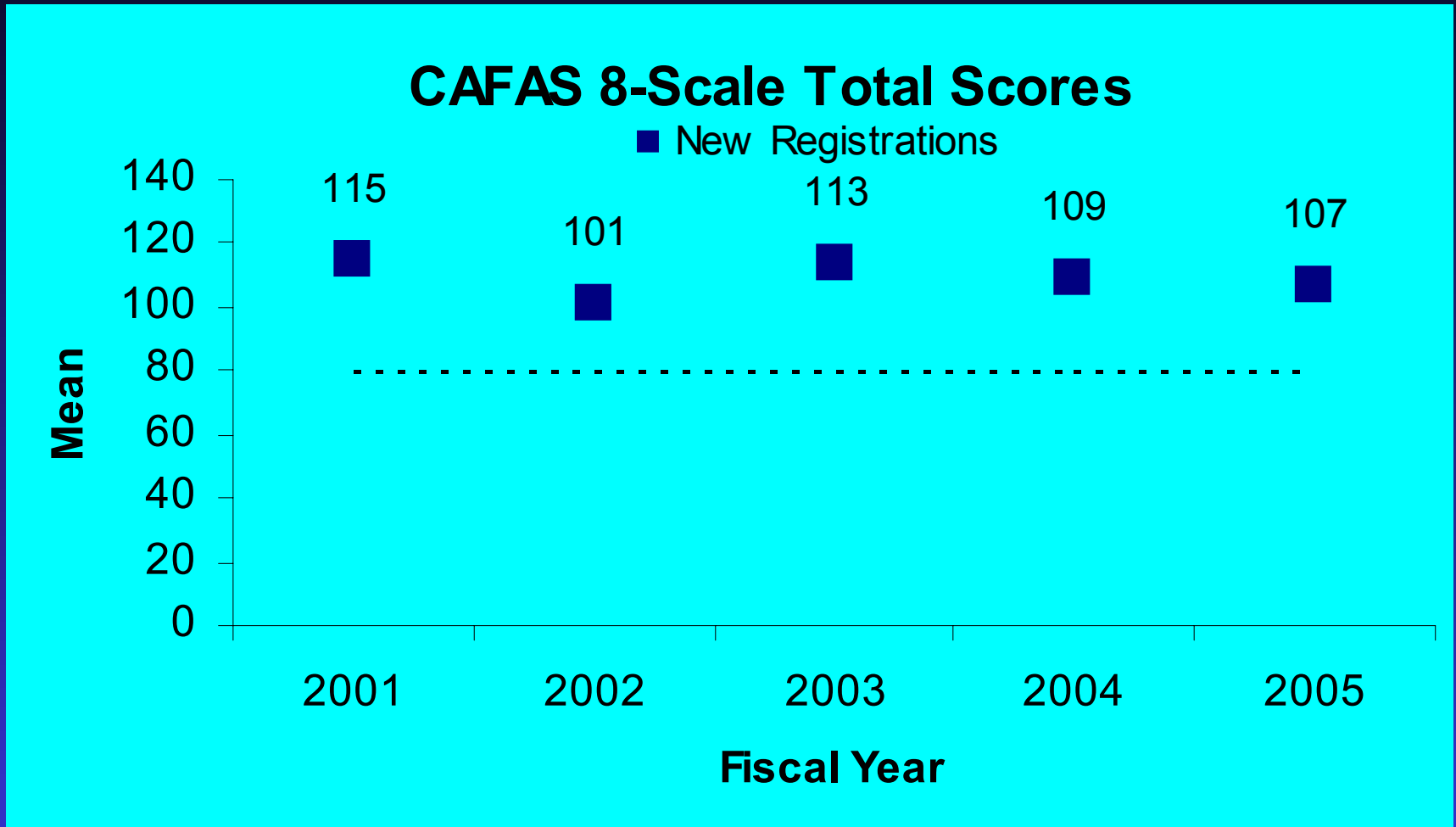
# What results were obtained?

1. Youth status at registration?
2. Do youth improve with services?
3. Has rate of improvement changed over time?
4. What are the improvement rates by type of service?

# Youth Status at Registration?



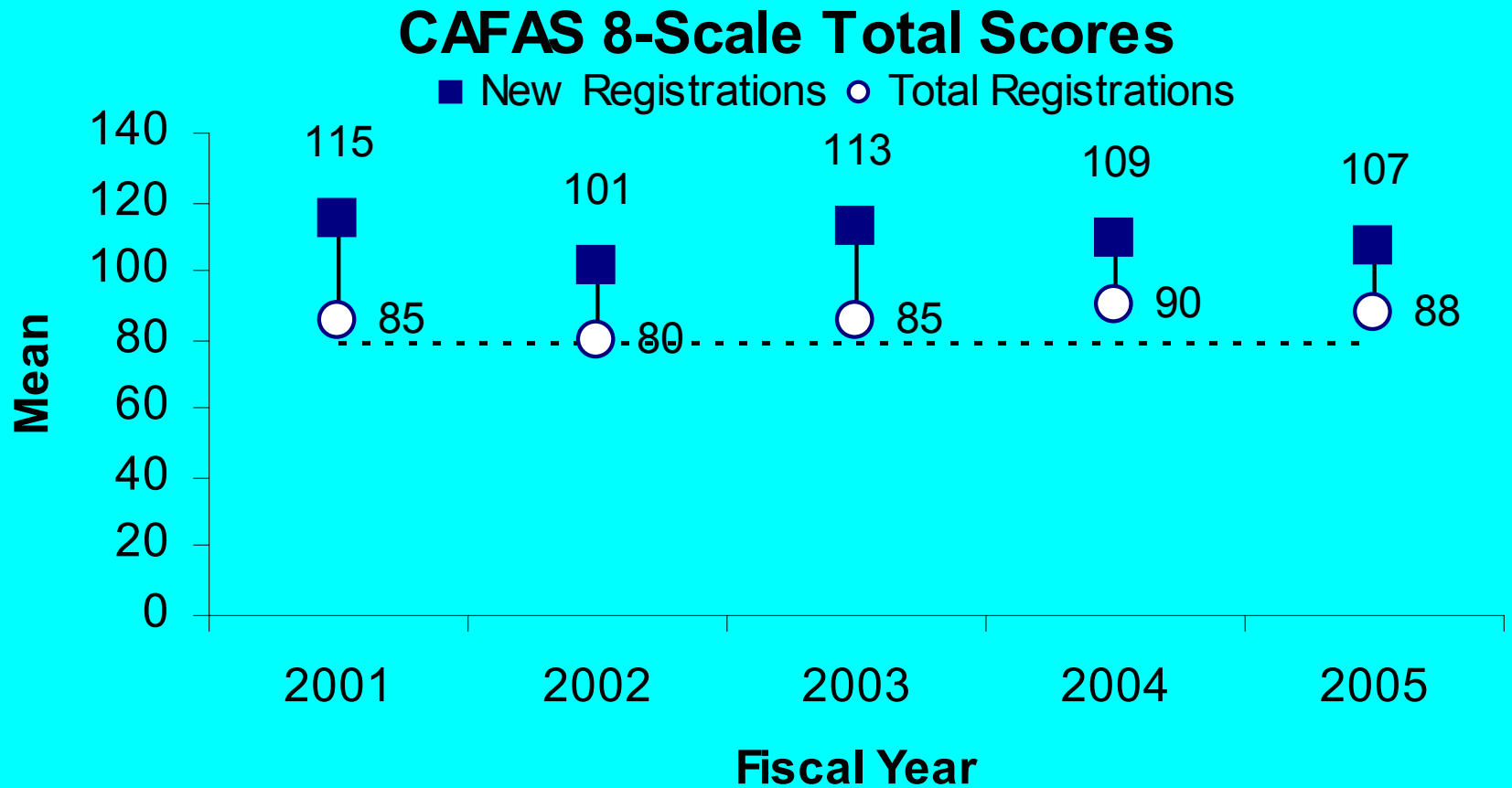
# Youth Status at Registration?



Improvement with Services?

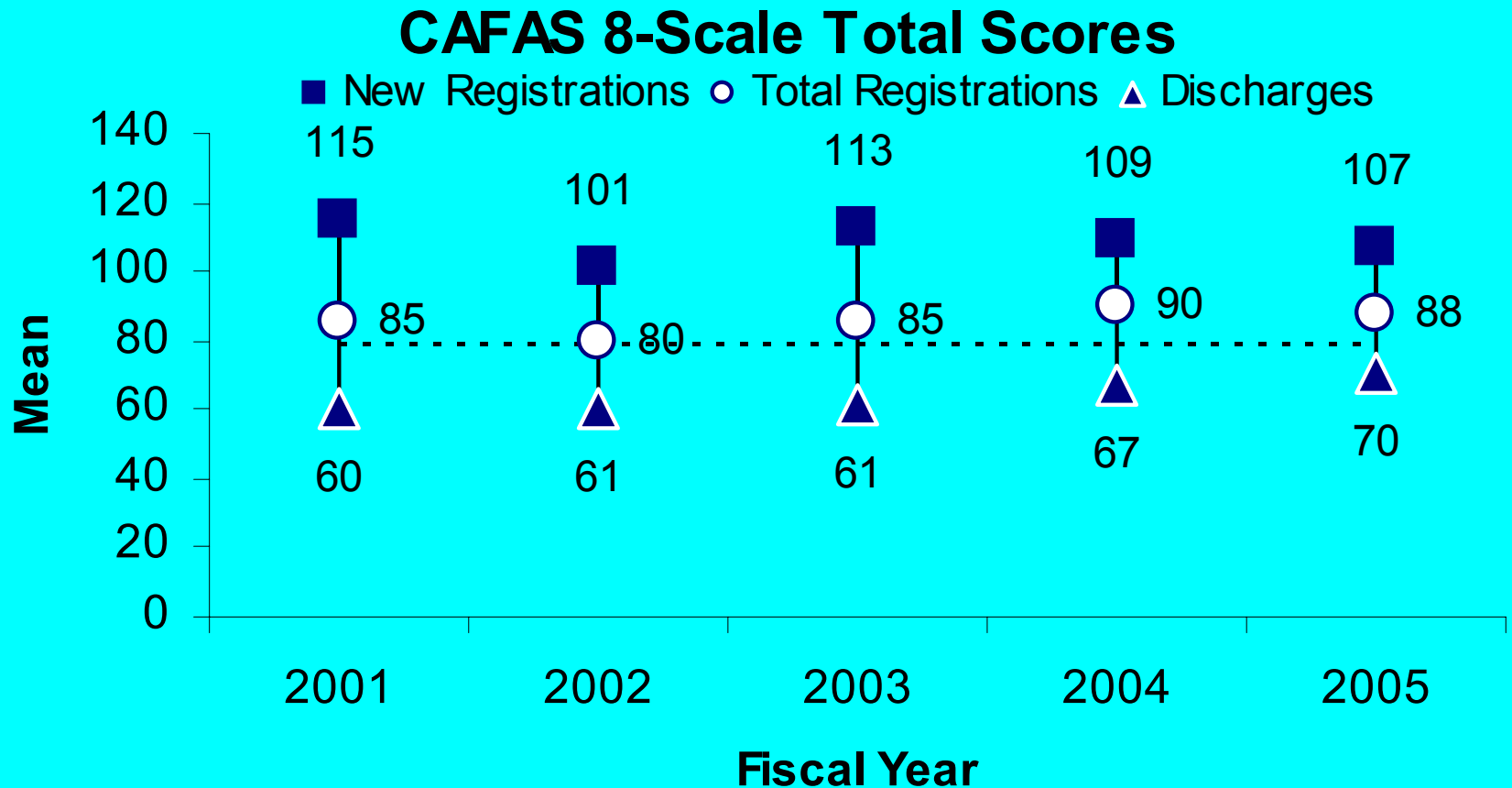
Group Differences

# Improvement with Services?



2005 Effect Size = .57

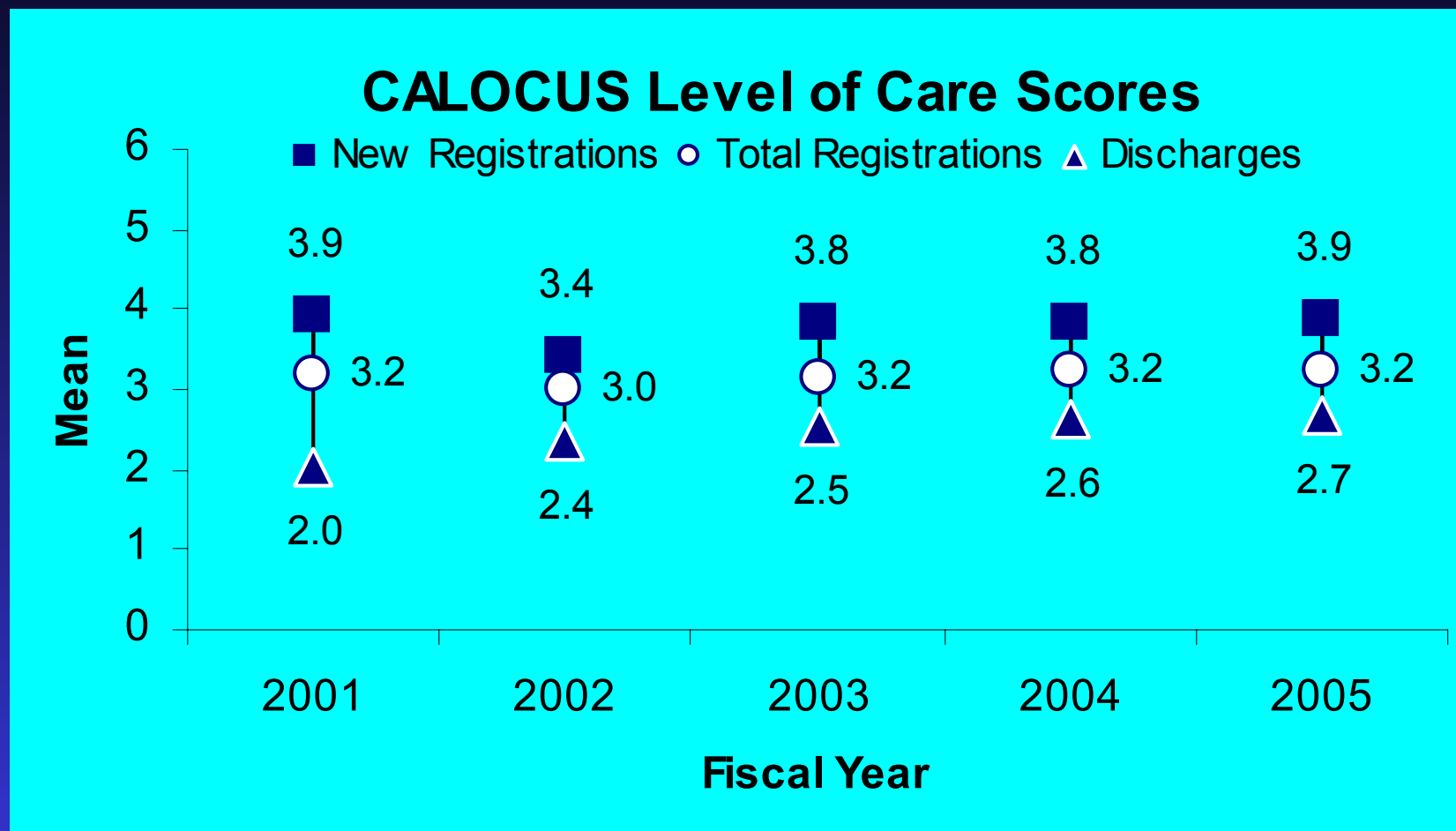
# Improvement with Services?



2005 Effect Size = 1.1



# Improvement with Services?



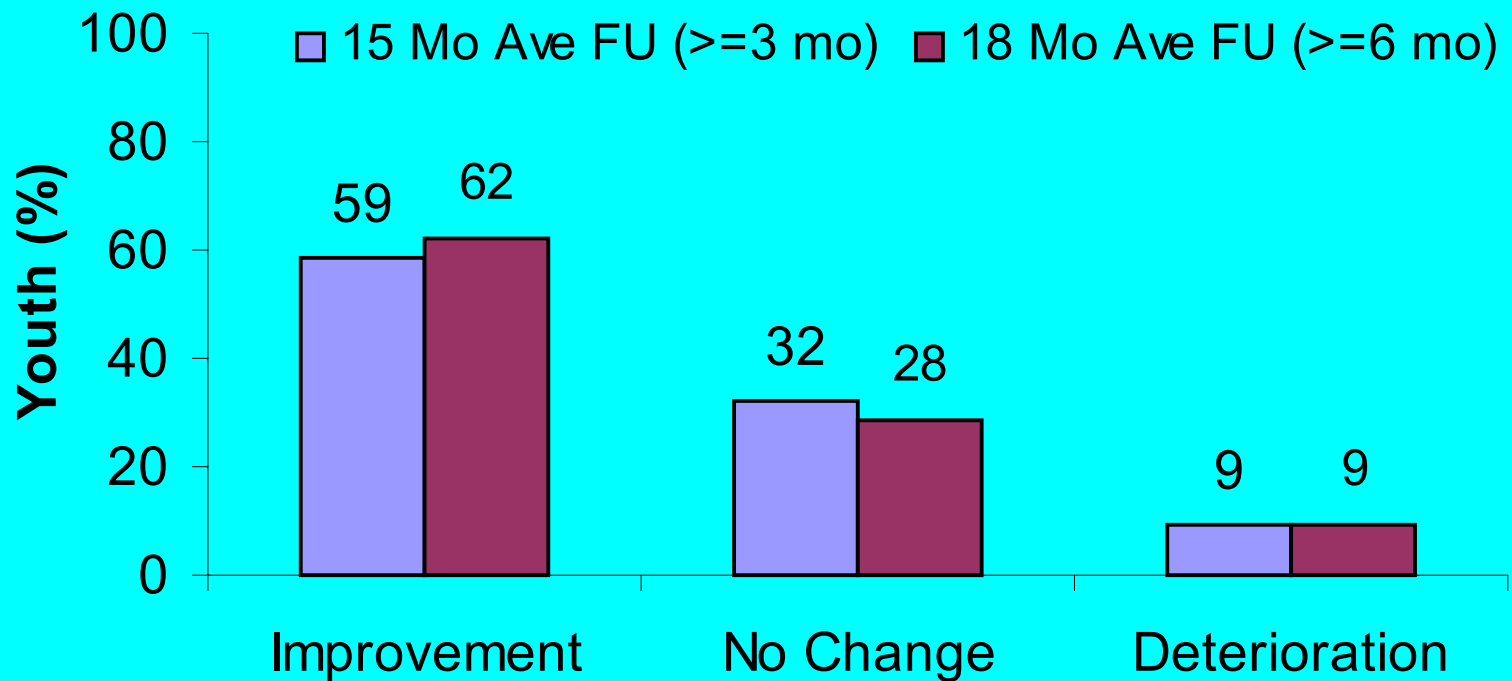
2005 Effect Sizes = .49 total, .93 discharge

# Improvement with Services?

Individual Change  
from Baseline to Follow-up

# Improvement with Services?

## Reliable Change on CAFAS 8-Scale Total



# Improvement with Services?

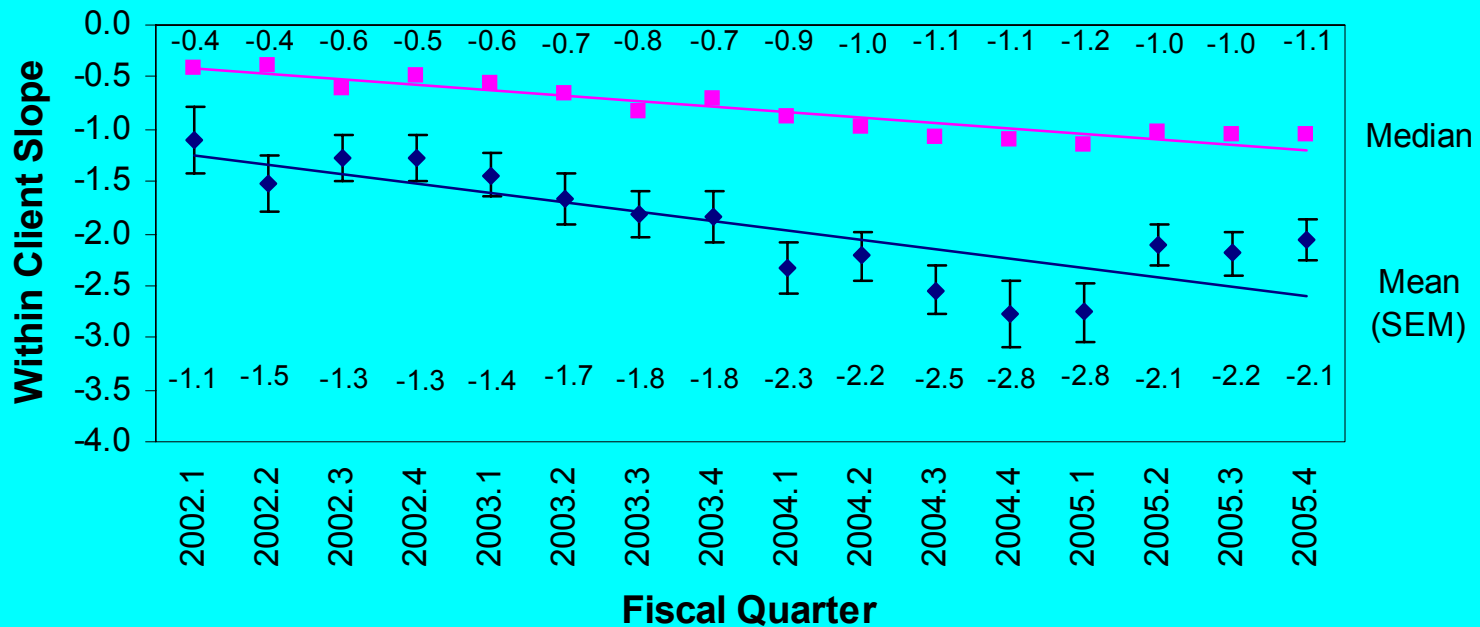
Measure	Average Baseline	15-mo Ave. Follow-up	Effect Size (SD)
CAFAS Total (n = 997)	115	79	1.0
CALOCUS Level (n = 796)	4.0	3.1	0.8

# Rate of Improvement?

Individual Change  
During Episode to Point-in-Time

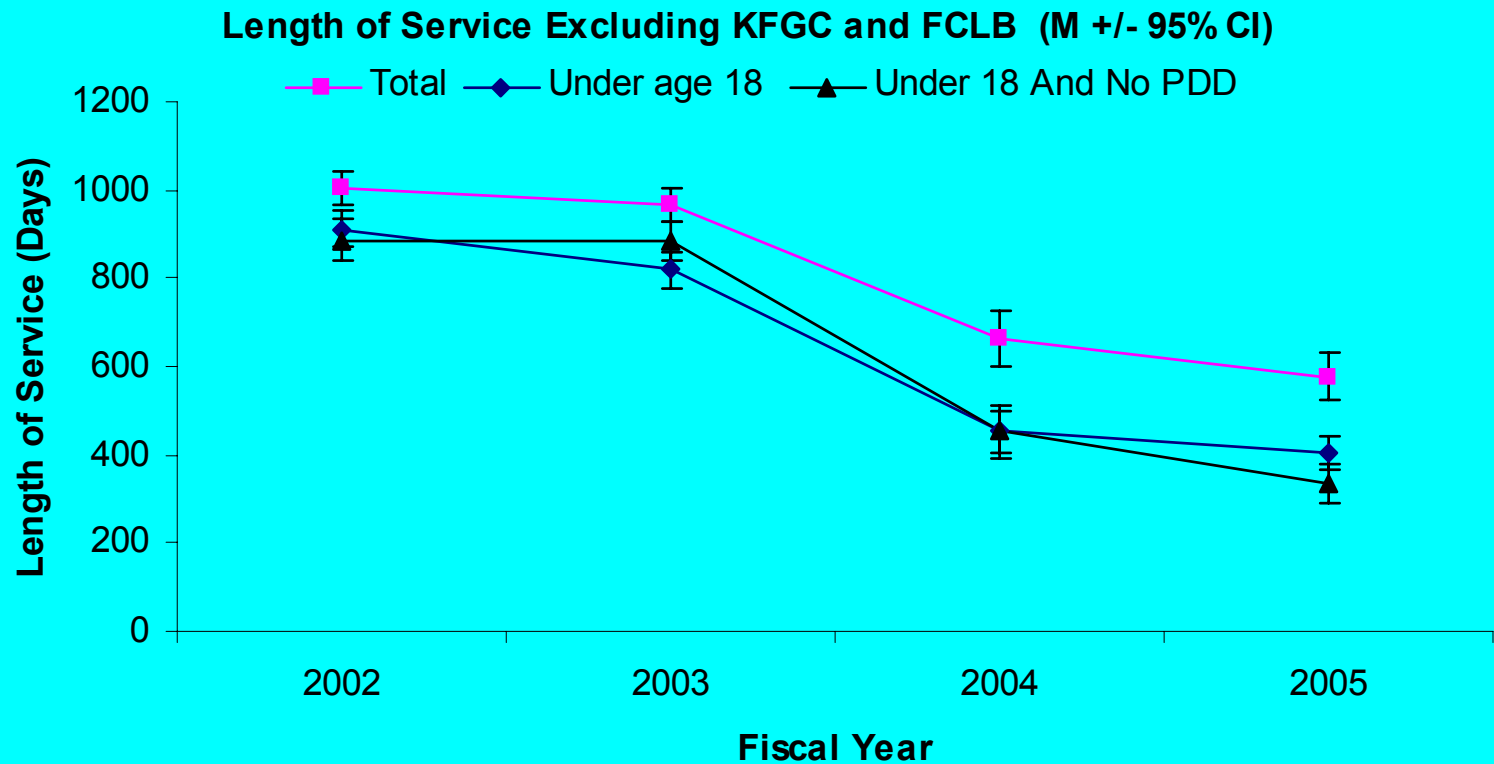
# Rate of Improvement?

**Rate of Change per Month on the CAFAS 8-Scale Total Score during Current Service Episode**



Final Effect Size Change = .06/mo, .74/yr

# Length of Registration?



# Improvement by Type of Service?

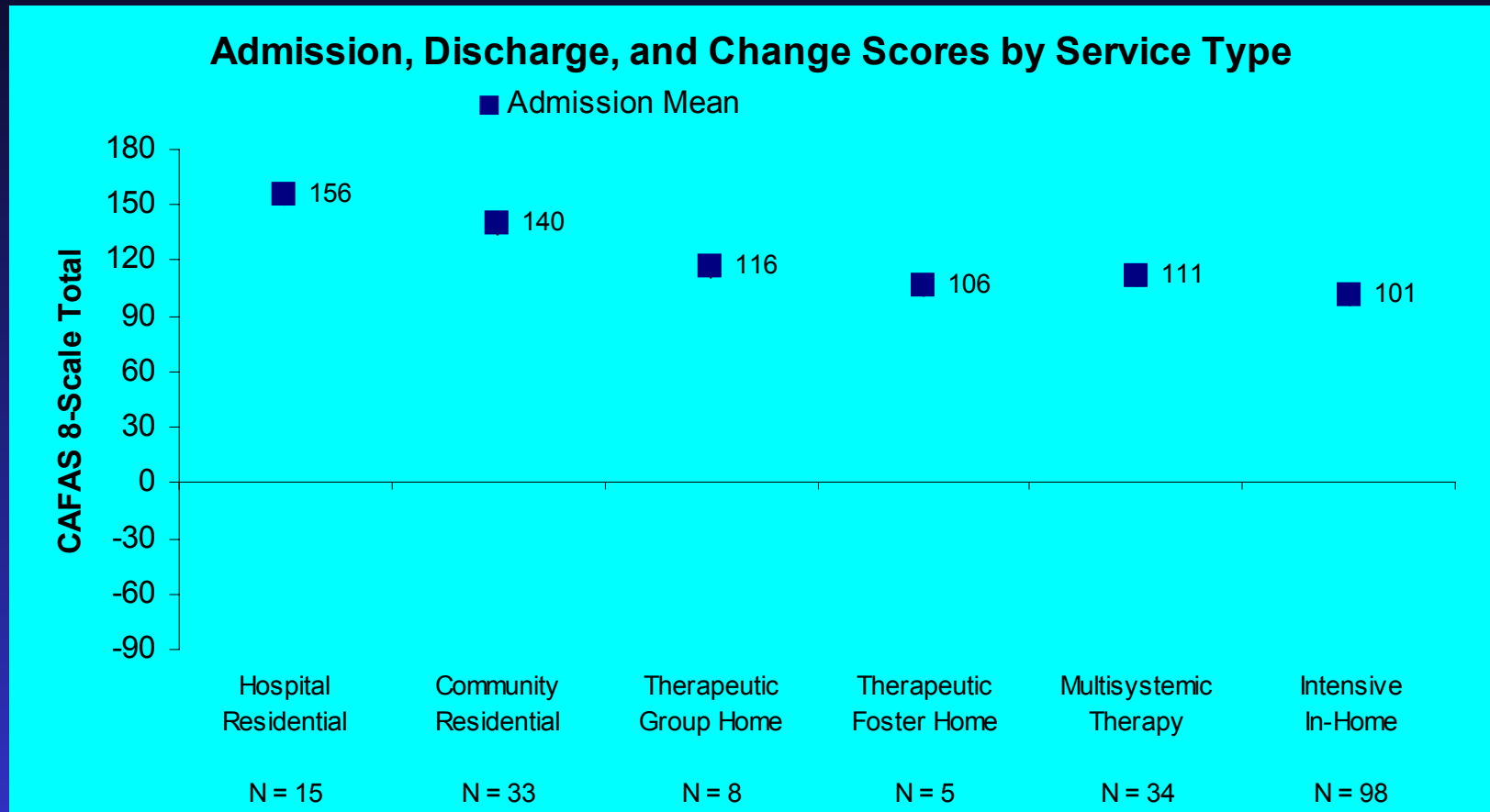
Individual Change  
from Intake to Discharge



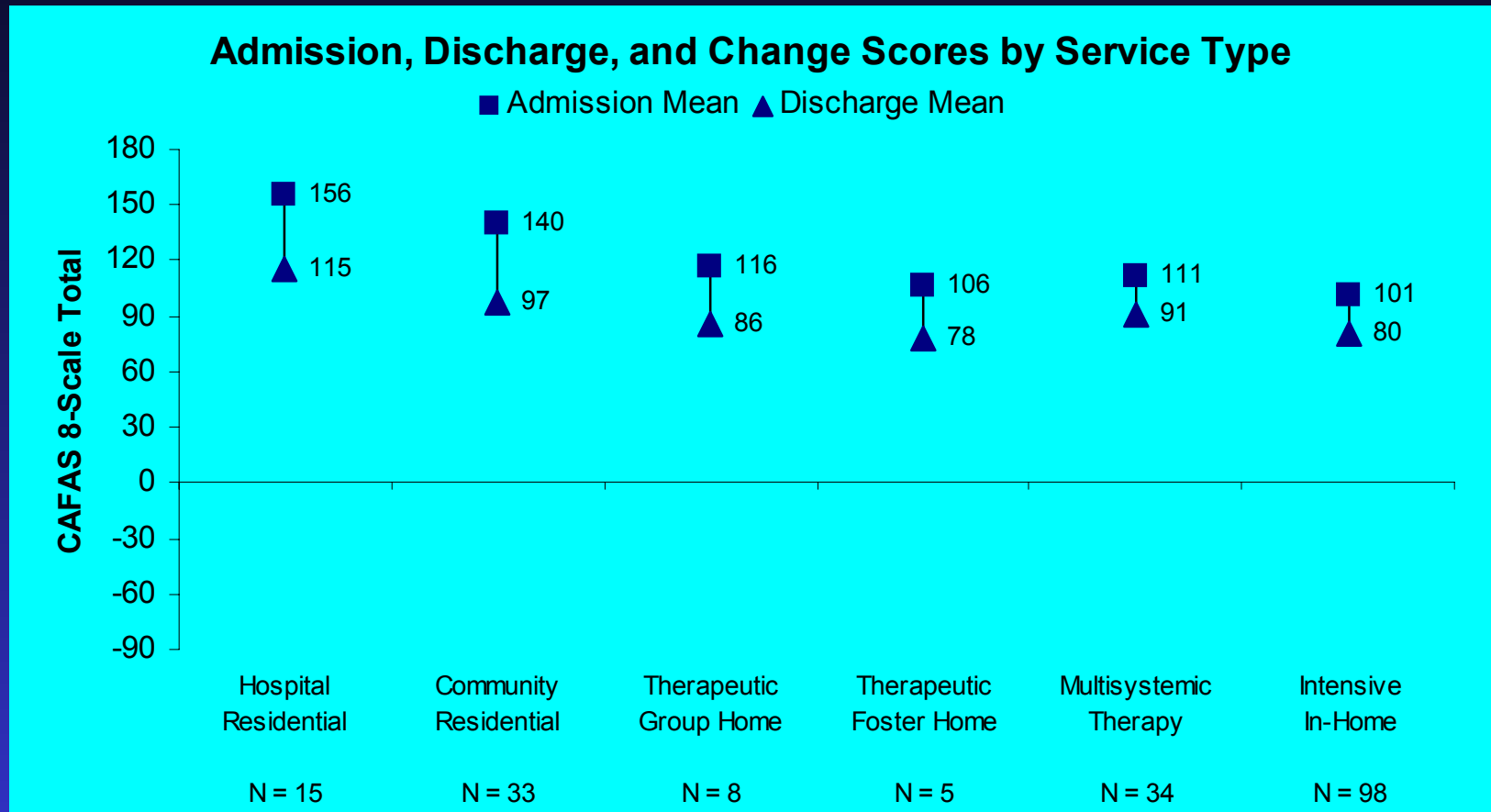
# Improvement by Type of Service?

1. Youth registered during FY 2003 - 2004
2. Services through FY 2005
3. First service received following registration
4. Both CAFAS and CALOCUS measured within 30-days of level of care episode start and end

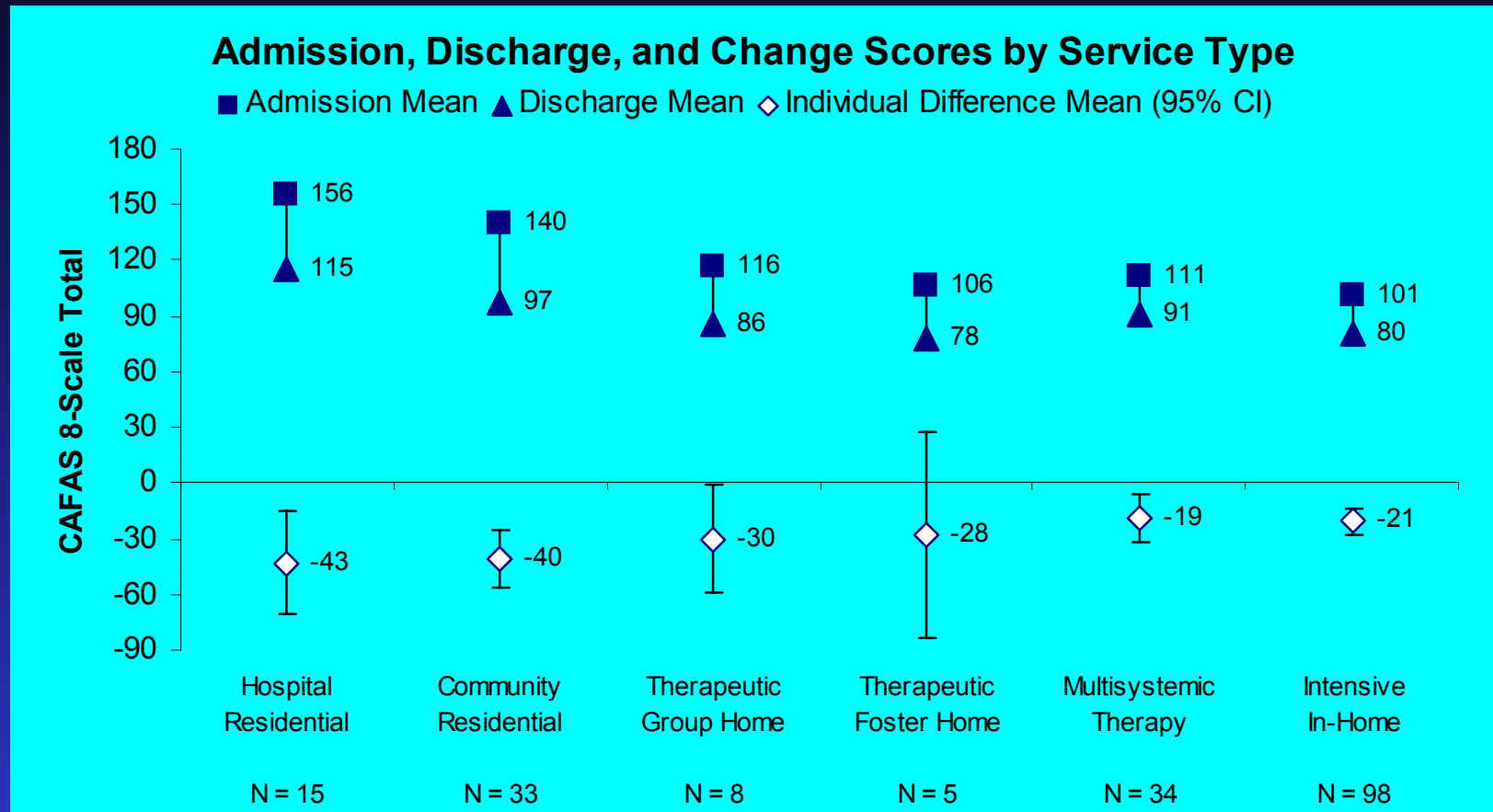
# Improvement by Type of Service?



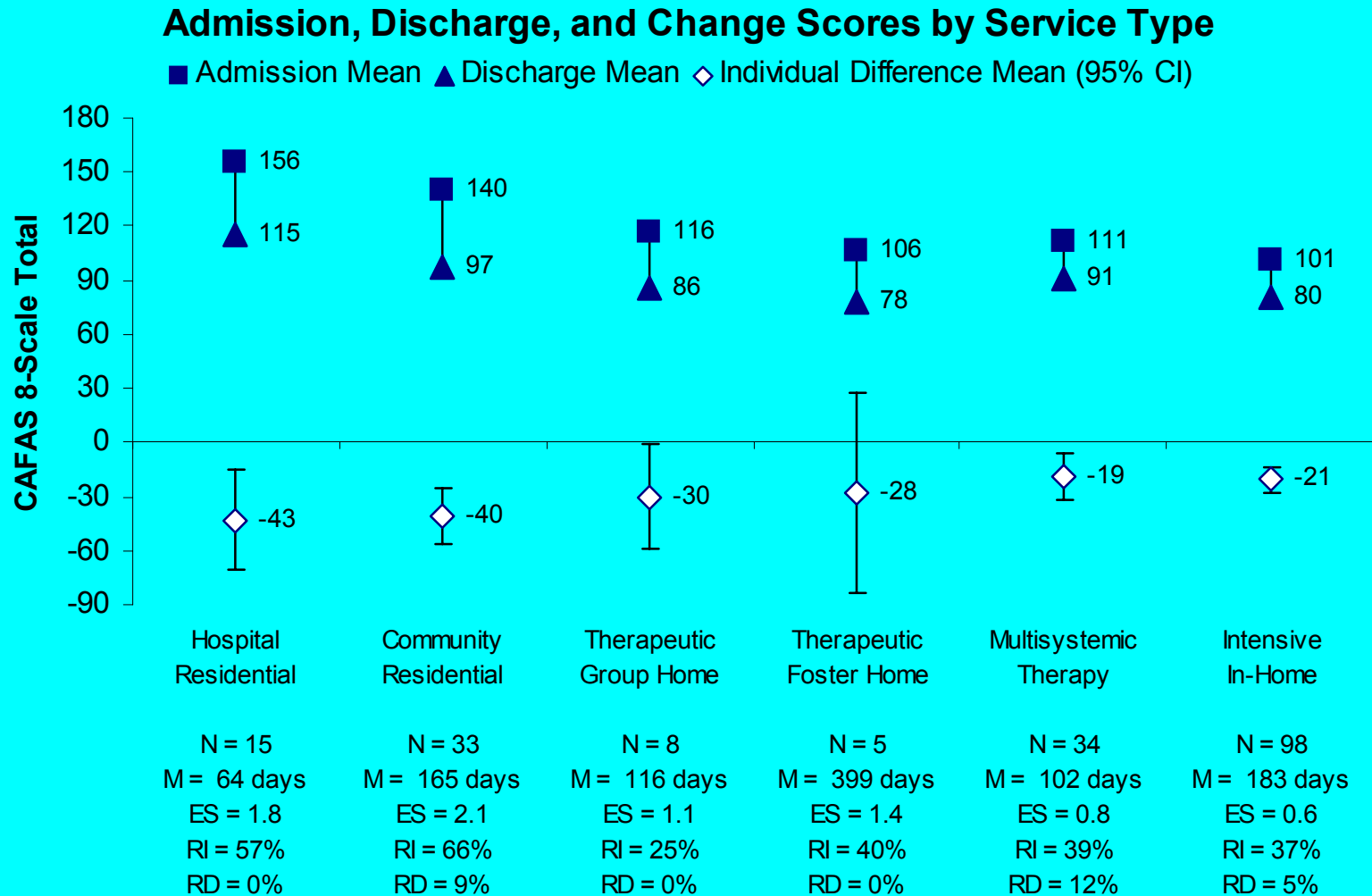
# Improvement by Type of Service?



# Improvement by Type of Service?

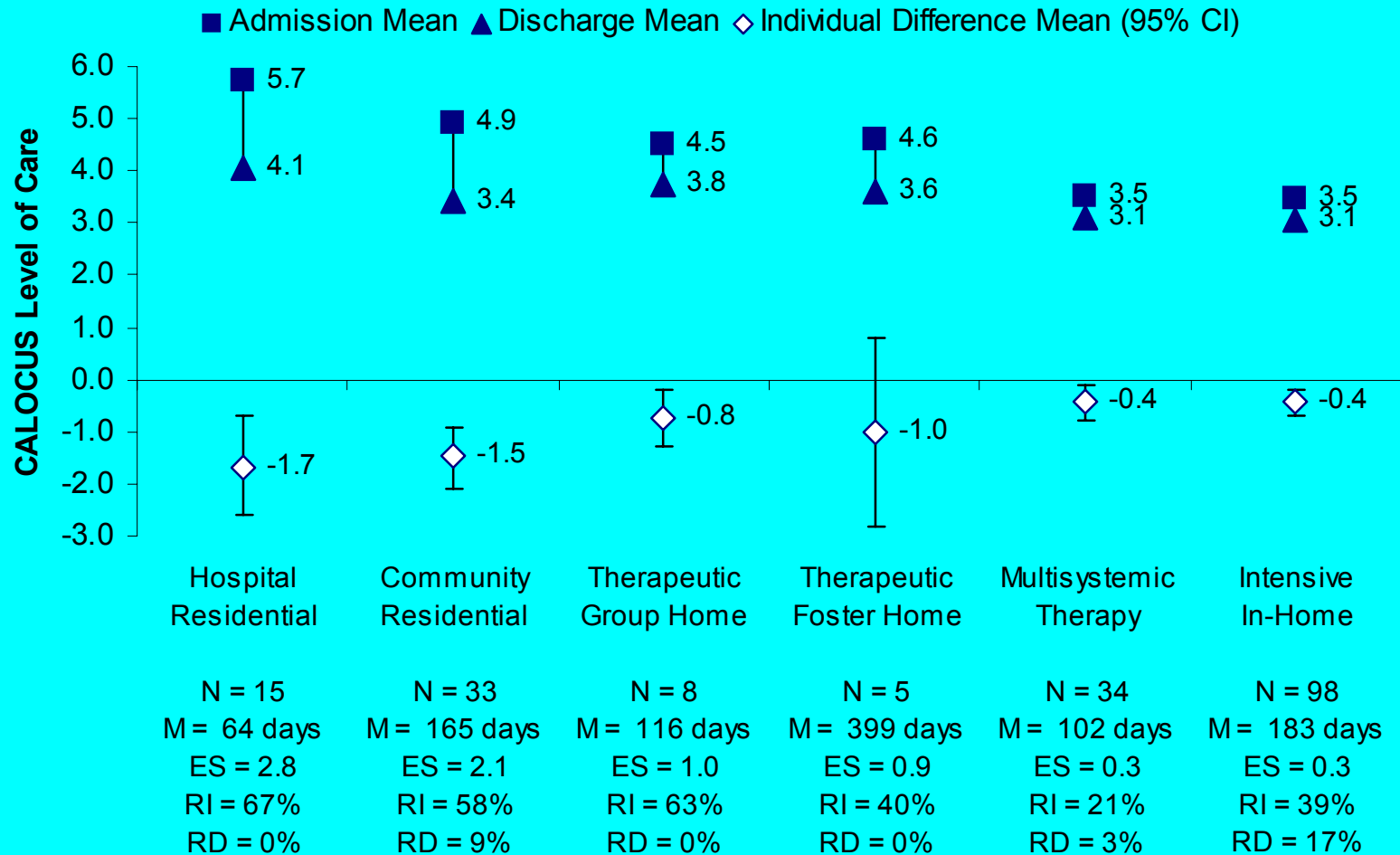


# Improvement by Type of Service?



# Improvement by Type of Service?

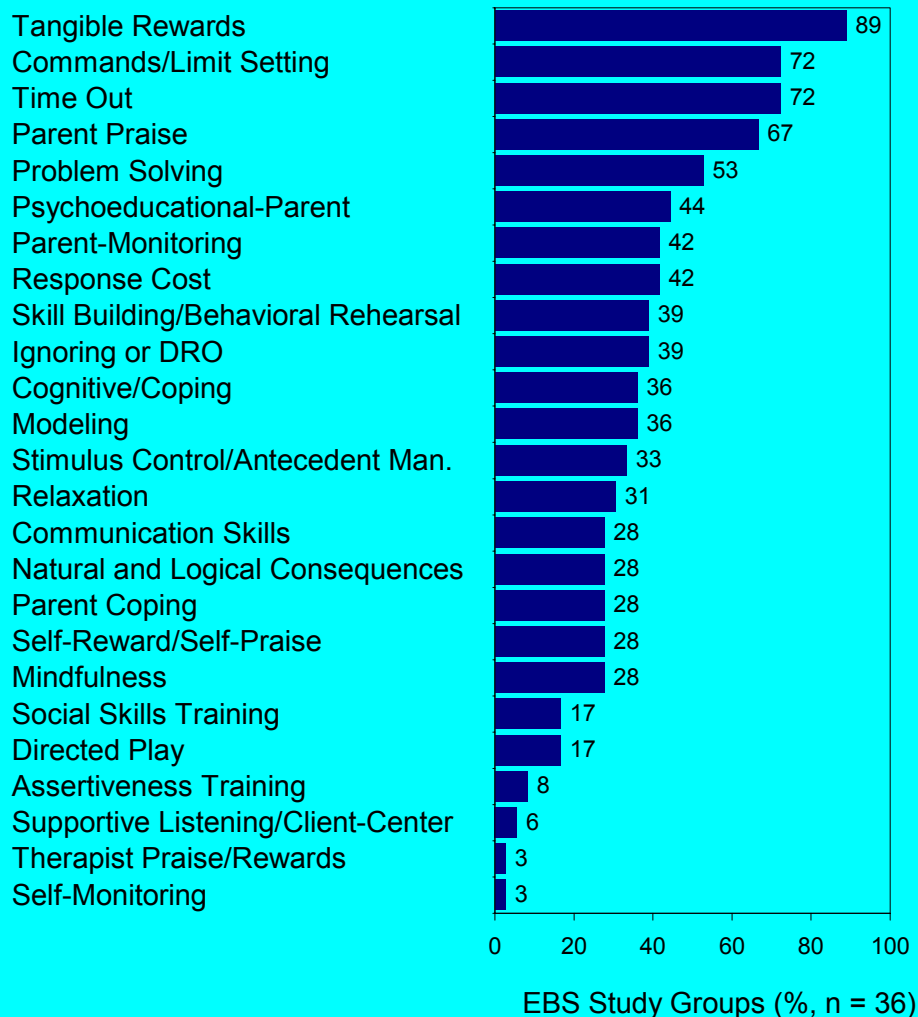
## Admission, Discharge, and Change Scores by Service Type



Have Treatment Practices  
Changed?

# Remember the evidence-based practice coding?

Protocols with Level 2 Good Support or Better



---

Average  
Protocol

---

N of  
Practices

8

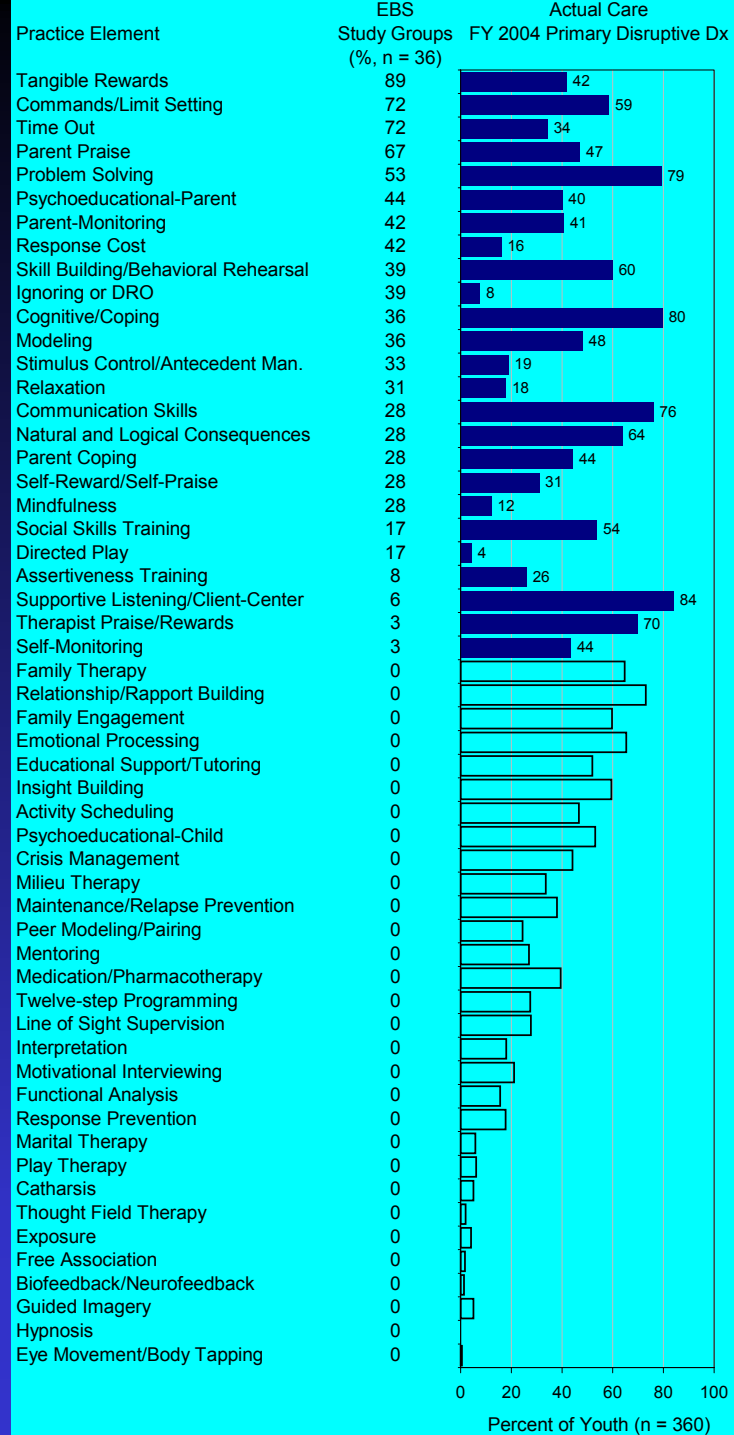
Ave. Weight  
per EBS  
Practice

48%

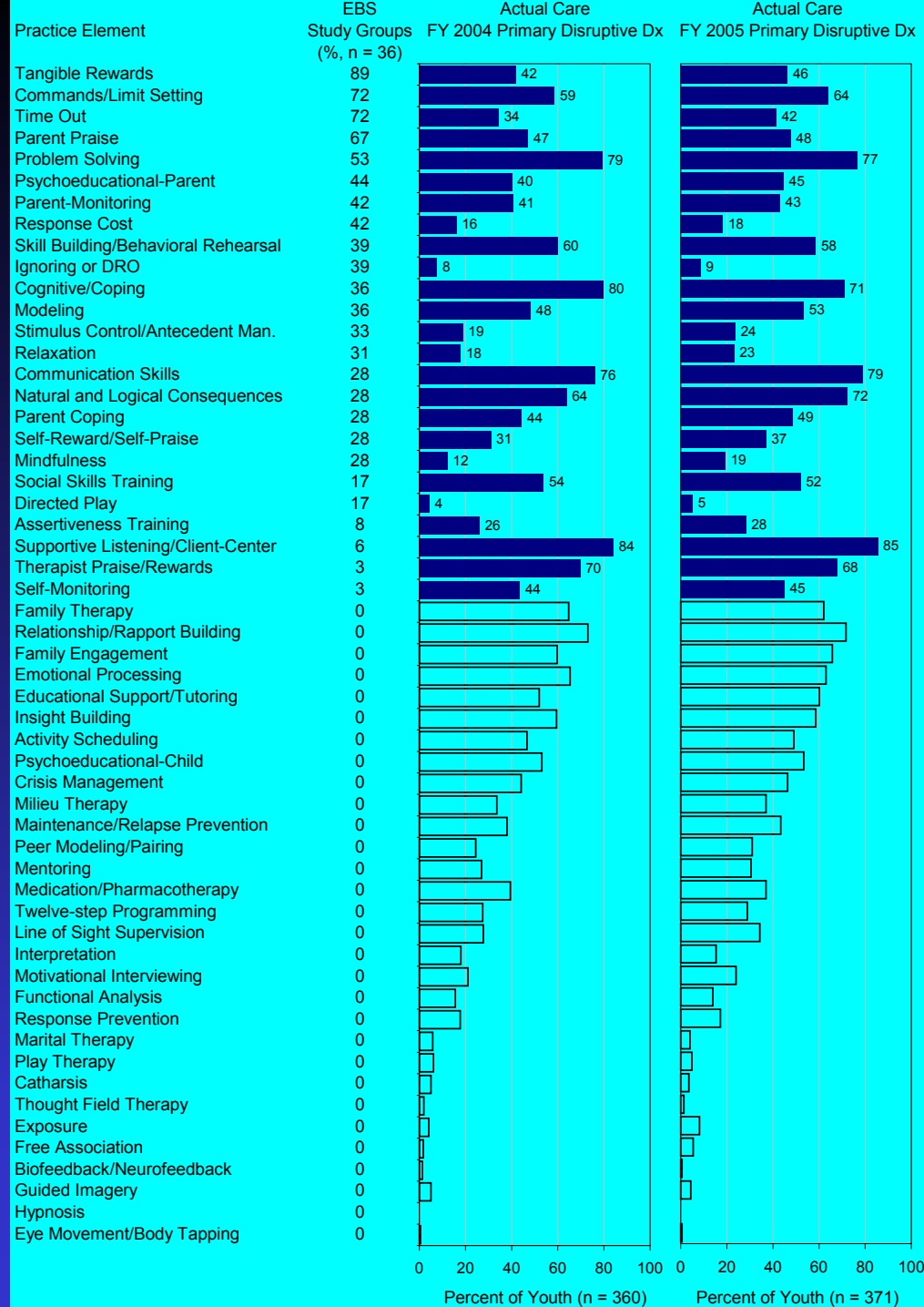
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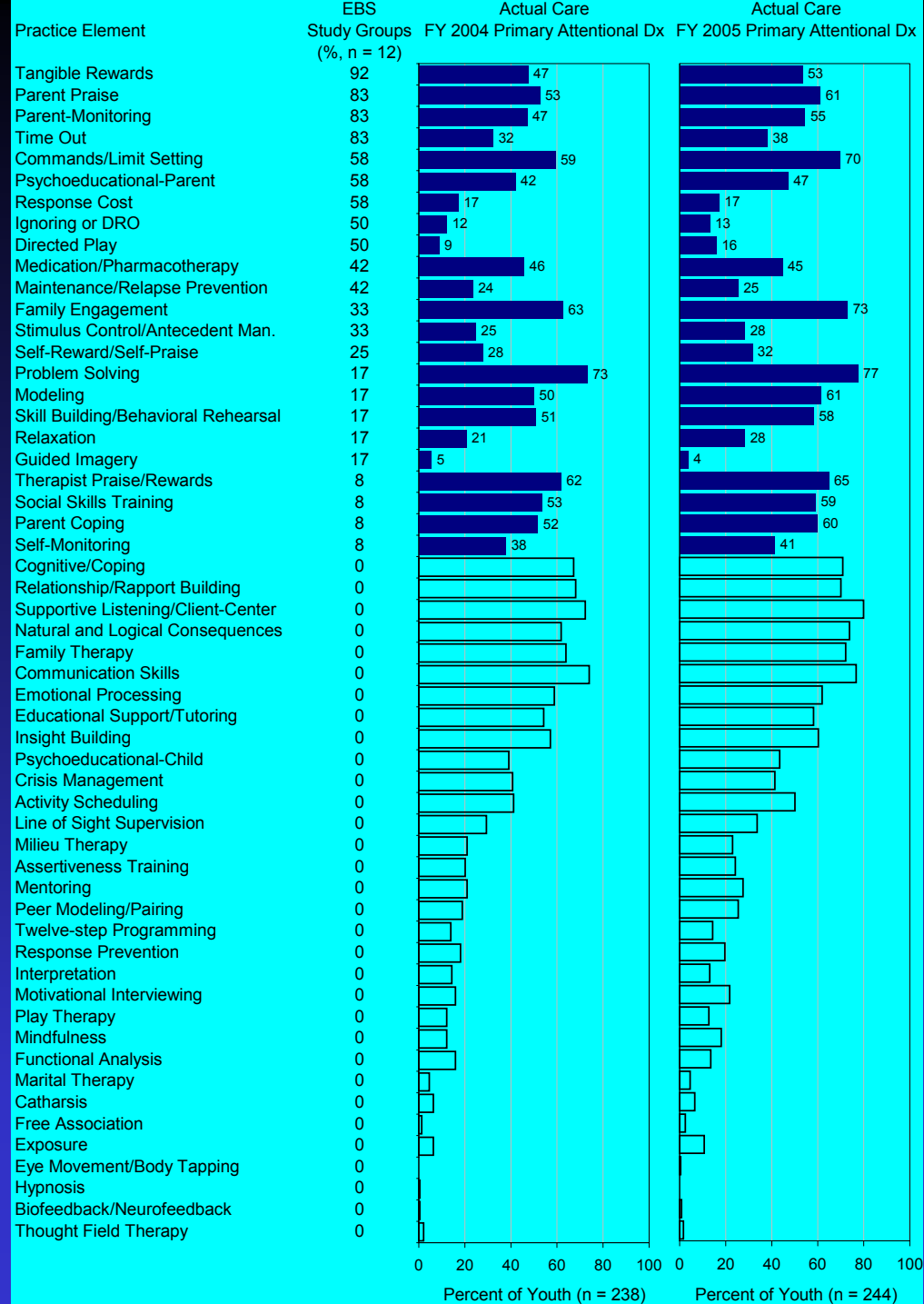
# Primary Disruptive Behavior Disorders



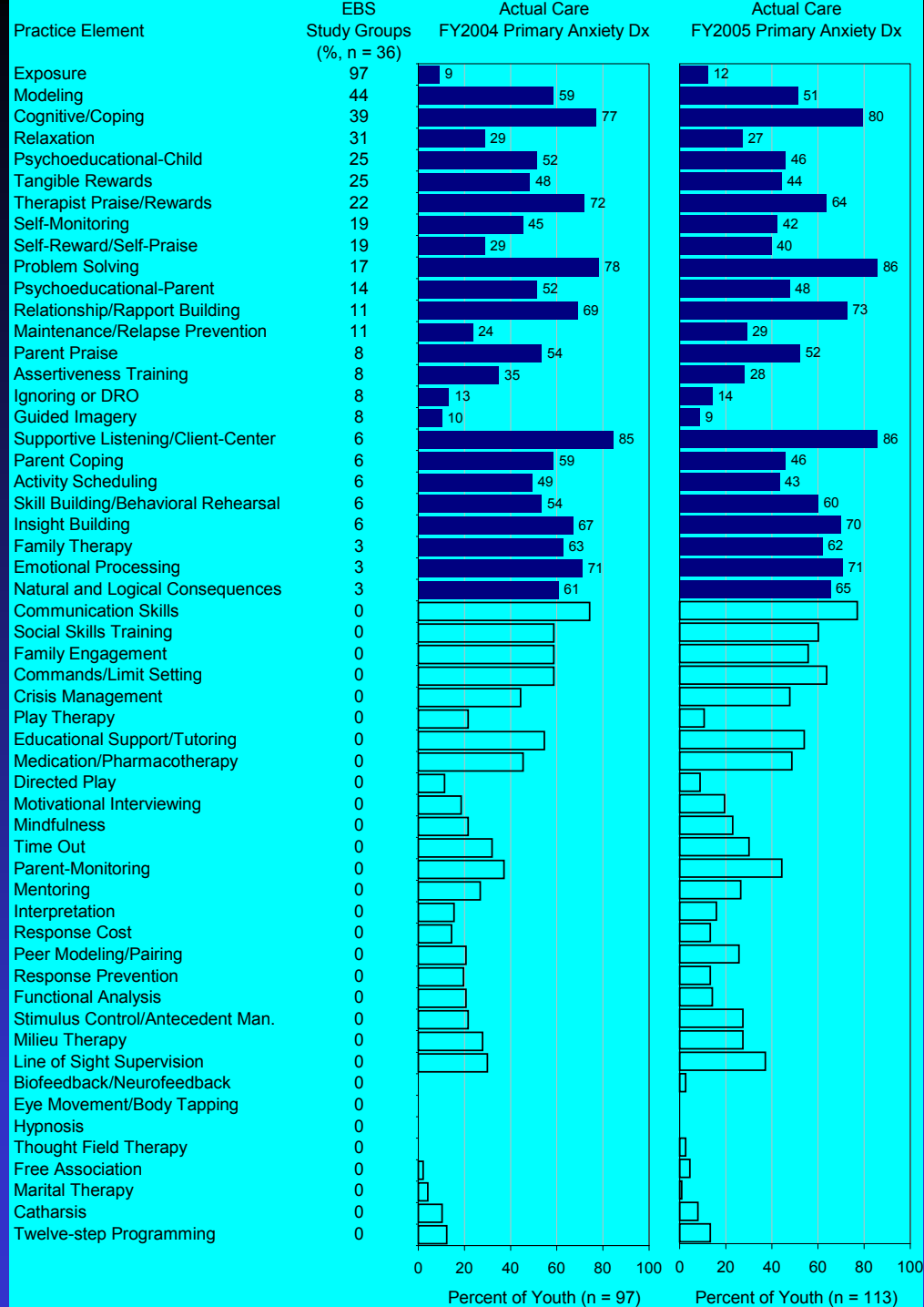
# Primary Disruptive Behavior Disorders



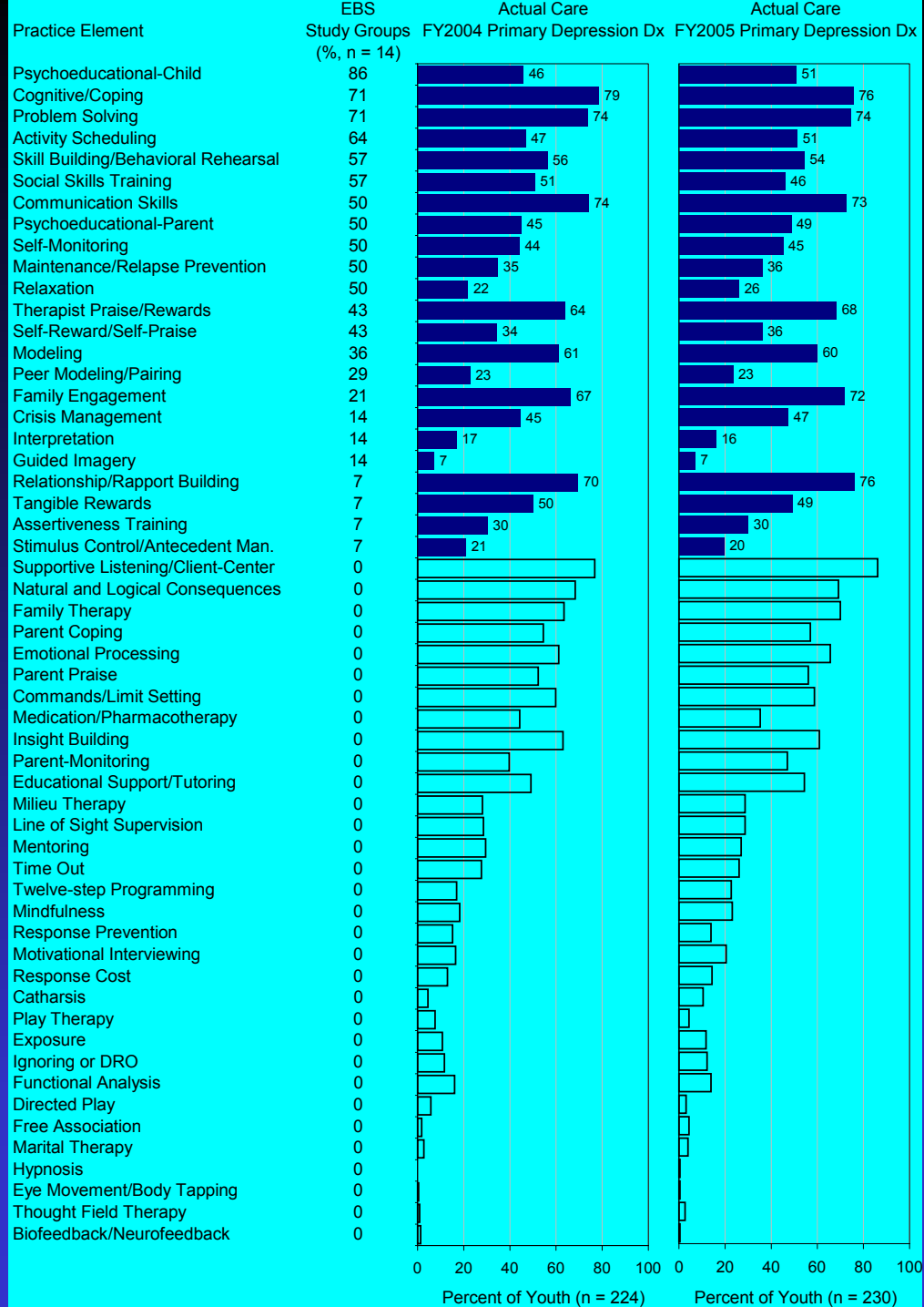
# Primary Attention or Hyperactivity Disorders



# Primary Anxiety or Avoidant Disorders



# Primary Depressed or Withdrawn Disorders



# Remember the evidence-based practice coding?

Primary Disorder	Ave. N of Practices	Ave. Weight per Practice
	Ave. EBS Protocol	Ave. EBS Protocol
Anxiety or Avoidant	4 – 5	51%
Attention or Hyperactivity	9	66%
Depressed or Withdrawn	9	54%
Disruptive Behavior	8	48%

# Remember the evidence-based practice coding?

Primary Disorder	Ave. N of Practices			Ave. Weight per Practice
	Ave. EBS Protocol	2004 Average Case	2005 Average Case	Ave. EBS Protocol
Anxiety or Avoidant	4 – 5	<b>20</b>	<b>20</b>	51%
Attention or Hyperactivity	9	<b>19</b>	<b>21</b>	66%
Depressed or Withdrawn	9	<b>20</b>	<b>20</b>	54%
Disruptive Behavior	8	<b>19</b>	<b>20</b>	48%

# Remember the evidence-based practice coding?

Primary Disorder	Ave. N of Practices			Ave. Weight per Practice		
	Ave. EBS Protocol	2004 Average Case	2005 Average Case	Ave. EBS Protocol	2004 Average Case	2005 Average Case
Anxiety or Avoidant	4 – 5	20	20	51%	<b>9%</b>	<b>9%</b>
Attention or Hyperactivity	9	19	21	66%	<b>18%</b>	<b>18%</b>
Depressed or Withdrawn	9	20	20	54%	<b>22%</b>	<b>22%</b>
Disruptive Behavior	8	19	20	48%	<b>20%</b>	<b>19%</b>



# Take Home Messages

## Who We Serve

Population size stabilizing

Population with services procured increasing

Health plan population grew, special education  
and juvenile justice population declined

Big Island, LOFGC, and COFGC show growth

KFGC and FCLB declined

# Take Home Messages

## Who We Serve

Greater proportion of females

Asian representation low relative to Hawaii's population

Hispanic, Native Hawaiian and Other Pacific Islander, and White relatively high

Disruptive behavior now most common diagnosis

Increasing diagnostic comorbidity but type of problems similar

# Take Home Messages

## How We Serve

Overall increased input, increased output  
with similar efficiency

Out-of-home service use stabilized

Community-based residential use stabilized

# Take Home Messages

## How evidence-based is actual care?

Little change from prior year

Typically both empirically supported and unsupported practices used in actual care

Actual care is generally less focused than empirically supported protocols

Actual care incorporates less frequently supported practices

# Take Home Messages

## Obtaining Results

System basically functioning as designed

Little change from prior year

Average discharge at higher level of  
impairment